

<110> INCYTE CORPORATION
 MARQUIS, Joseph P.
 LEE, Soo Y.
 EMERLING, Brooke M.
 HAFALLIA, April J.A.
 KHARE, Reena
 KABLE, Amy E.
 RICHARDSON, Thomas W.
 SWARNAKAR, Anita
 CHAWLA, Narinder K.
 BECHA, Shanya D.
 MASON, Patricia M.
 ELLIOTT, Vicki S.
 RAMKUMAR, Jayalaxmi
 GRIFFIN, Jennifer A.
 TRAN, Uyen K.
 ISON, Craig H.
 LINDQUIST, Erika A.
 JIANG, Xin
 JACKSON, Alan A.
 WILSON, Amy D.
 JIN, Pei
 CHANG, Hsin-Ru

<120> TRANSPORTERS AND ION CHANNELS

<130> PF-1397 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/368,840

<151> 2002-03-28

<150> US 60/375,637

<151> 2002-04-26

<160> 118

<170> PERL Program

<210> 1

<211> 195

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509332CD1

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Val	Thr	Ala	Ala	Gly	Ser	Ala	Gln	Pro	Arg	Ser	Ala	Arg	Ala	Arg
				20					25					30
Thr	Asp	Leu	Leu	Asn	Val	Cys	Met	Asn	Ala	Lys	His	His	Lys	Thr
				35					40					45

Gln	Pro	Ser	Pro	Glu	Asp	Glu	Leu	Tyr	Gly	Gln	Cys	Ser	Pro	Trp	
				50					55					60	
Lys	Lys	Asn	Ala	Cys	Cys	Thr	Ala	Ser	Thr	Ser	Gln	Glu	Leu	His	
				65					70					75	
Lys	Asp	Thr	Ser	Arg	Leu	Tyr	Asn	Phe	Asn	Trp	Asp	His	Cys	Glu	
				80					85					90	
Arg	Trp	Trp	Glu	Asp	Cys	Arg	Thr	Ser	Tyr	Thr	Cys	Lys	Ser	Asn	
				95					100					105	
Trp	His	Lys	Gly	Trp	Asn	Trp	Thr	Ser	Gly	Ile	Asn	Glu	Cys	Pro	
				110					115					120	
Ala	Gly	Ala	Leu	Cys	Ser	Thr	Phe	Glu	Ser	Tyr	Phe	Pro	Thr	Pro	
				125					130					135	
Ala	Ala	Leu	Cys	Glu	Gly	Leu	Trp	Ser	His	Ser	Phe	Lys	Val	Ser	
				140					145					150	
Asn	Tyr	Ser	Arg	Gly	Ser	Gly	Arg	Cys	Ile	Gln	Met	Trp	Phe	Asp	
				155					160					165	
Ser	Ala	Gln	Gly	Asn	Pro	Asn	Glu	Glu	Val	Ala	Lys	Phe	Tyr	Ala	
				170					175					180	
Ala	Ala	Met	Asn	Ala	Gly	Ala	Pro	Ser	Arg	Gly	Ile	Ile	Asp	Ser	
				185					190					195	

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 7509102CD1

<400> 2

Met	Gly	Pro	Ser	Cys	Pro	Val	Phe	Leu	Ser	Phe	Thr	Lys	Leu	Gly	
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Leu	Trp	Trp	Leu	Leu	Leu	Thr	Pro	Ala	Gly	Gly	Glu	Glu	Ala	Lys	
				20					25					30	
Arg	Pro	Pro	Pro	Arg	Ala	Pro	Gly	Asp	Pro	Leu	Ser	Ser	Pro	Ser	
				35					40					45	
Pro	Thr	Ala	Leu	Pro	Gln	Gly	Gly	Ser	His	Thr	Glu	Thr	Glu	Asp	
				50					55					60	
Arg	Leu	Phe	Lys	His	Leu	Phe	Arg	Gly	Tyr	Asn	Arg	Trp	Ala	Arg	
				65					70					75	
Pro	Val	Pro	Asn	Thr	Ser	Asp	Val	Asp	Glu	Lys	Asn	Gln	Met	Met	
				80					85					90	
Thr	Thr	Asn	Val	Trp	Leu	Lys	Gln	Glu	Trp	Ser	Asp	Tyr	Lys	Leu	
				95					100					105	
Arg	Trp	Asn	Pro	Thr	Asp	Phe	Gly	Asn	Ile	Thr	Ser	Leu	Arg	Val	
				110					115					120	
Pro	Ser	Glu	Met	Ile	Trp	Ile	Pro	Asp	Ile	Val	Leu	Tyr	Asn	Lys	
				125					130					135	

Thr Ala Arg

<210> 3

<211> 355

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 7509132CD1

<400> 3

Met	Ser	Trp	Arg	Cys	Trp	Gly	Ala	Ala	Ser	Trp	Ala	Trp	Pro	Met	
1				5					10					15	
Leu	Leu	Pro	Pro	Met	Lys	Cys	Ser	Ser	Leu	Asp	Asp	Ser	Ser	Leu	
				20					25					30	
Ala	Pro	Thr	Gln	Val	Leu	Gly	Leu	Glu	Ser	Leu	Leu	Gly	Thr	Ala	
				35					40					45	
Ser	Leu	Trp	Pro	Leu	Leu	Leu	Gly	Leu	Thr	Val	Leu	Pro	Ala	Leu	
				50					55					60	
Leu	Gln	Leu	Val	Leu	Leu	Pro	Phe	Cys	Pro	Glu	Ser	Pro	Arg	Tyr	
				65					70					75	
Leu	Tyr	Ile	Ile	Gln	Asn	Leu	Glu	Gly	Pro	Ala	Arg	Lys	Ser	Leu	
				80					85					90	
Lys	Arg	Leu	Thr	Gly	Trp	Ala	Asp	Val	Ser	Gly	Val	Leu	Ala	Glu	
				95					100					105	
Leu	Lys	Asp	Glu	Lys	Arg	Lys	Leu	Glu	Arg	Glu	Arg	Pro	Leu	Ser	
				110					115					120	
Leu	Leu	Gln	Leu	Leu	Gly	Ser	Arg	Thr	His	Arg	Gln	Pro	Leu	Ile	
				125					130					135	
Ile	Ala	Val	Val	Leu	Gln	Leu	Ser	Gln	Gln	Leu	Ser	Gly	Ile	Asn	
				140					145					150	
Ala	Val	Phe	Tyr	Tyr	Ser	Thr	Ser	Ile	Phe	Glu	Thr	Ala	Gly	Val	
				155					160					165	
Gly	Gln	Pro	Ala	Tyr	Ala	Thr	Ile	Gly	Ala	Gly	Val	Val	Asn	Thr	
				170					175					180	
Val	Phe	Thr	Leu	Val	Ser	Val	Leu	Leu	Val	Glu	Arg	Ala	Gly	Arg	
				185					190					195	
Arg	Thr	Leu	His	Leu	Leu	Gly	Leu	Ala	Gly	Met	Cys	Gly	Cys	Ala	
				200					205					210	
Ile	Leu	Met	Thr	Val	Ala	Leu	Leu	Leu	Leu	Glu	Arg	Val	Pro	Ala	
				215					220					225	
Met	Ser	Tyr	Val	Ser	Ile	Val	Ala	Ile	Phe	Gly	Phe	Val	Ala	Phe	
				230					235					240	
Phe	Glu	Ile	Gly	Pro	Gly	Pro	Ile	Pro	Trp	Phe	Ile	Val	Ala	Glu	
				245					250					255	
Leu	Phe	Ser	Gln	Gly	Pro	Arg	Pro	Ala	Ala	Met	Ala	Val	Ala	Gly	
				260					265					270	
Phe	Ser	Asn	Trp	Thr	Ser	Asn	Phe	Ile	Ile	Gly	Met	Gly	Phe	Gln	
				275					280					285	
Tyr	Val	Ala	Glu	Ala	Met	Gly	Pro	Tyr	Val	Phe	Leu	Leu	Phe	Ala	
				290					295					300	
Val	Leu	Leu	Leu	Gly	Phe	Phe	Ile	Phe	Thr	Phe	Leu	Arg	Val	Pro	
				305					310					315	
Glu	Thr	Arg	Gly	Arg	Thr	Phe	Asp	Gln	Ile	Ser	Ala	Ala	Phe	His	
				320					325					330	
Arg	Thr	Pro	Ser	Leu	Leu	Glu	Gln	Glu	Val	Lys	Pro	Ser	Thr	Glu	
				335					340					345	
Leu	Glu	Tyr	Leu	Gly	Pro	Asp	Glu	Asn	Asp						
				350					355						

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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7509136CD1

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 Met Ser Thr Lys Val Tyr Leu Asp Leu Glu Trp Thr Asp Tyr Arg
 1 5 10 15
 Leu Ser Trp Asp Pro Ala Glu His Asp Gly Ile Asp Ser Leu Arg
 20 25 30
 Ile Thr Ala Glu Ser Val Trp Leu Pro Asp Val Val Leu Leu Asn
 35 40 45
 Asn Asn Asp Gly Asn Phe Asp Val Ala Leu Asp Ile Ser Val Val
 50 55 60
 Val Ser Ser Asp Gly Ser Val Arg Trp Gln Pro Pro Gly Ile Tyr
 65 70 75
 Arg Ser Ser Cys Ser Ile Gln Val Thr Tyr Phe Pro Phe Asp Trp
 80 85 90
 Gln Asn Cys Thr Met Val Phe Ser Ser Tyr Ser Tyr Asp Ser Ser
 95 100 105
 Glu Val Ser Leu Gln Thr Gly Leu Gly Pro Asp Gly Gln Gly His
 110 115 120
 Gln Glu Ile His Ile His Glu Gly Thr Phe Ile Glu Asn Gly Gln
 125 130 135
 Trp Glu Ile Ile His Lys Pro Ser Arg Leu Ile Gln Pro Pro Gly
 140 145 150
 Asp Pro Arg Gly Gly Arg Glu Gly Gln Arg Gln Glu Val Ile Phe
 155 160 165
 Tyr Leu Ile Ile Arg Arg Lys Pro Leu Phe Tyr Leu Val Asn Val
 170 175 180
 Ile Ala Pro Cys Ile Leu Ile Thr Leu Leu Ala Ile Phe Val Phe
 185 190 195
 Tyr Leu Pro Pro Asp Ala Val Ile Leu Ser Val Val Val Leu Asn
 200 205 210
 Leu His His Arg Ser Pro His Thr His Gln Met Pro Leu Trp Val
 215 220 225
 Arg Gln Ile Phe Ile His Lys Leu Pro Leu Tyr Leu Arg Leu Lys
 230 235 240
 Arg Pro Lys Pro Glu Arg Asp Leu Met Pro Glu Pro Pro His Cys
 245 250 255
 Ser Ser Pro Gly Ser Gly Trp Gly Arg Gly Thr Asp Glu Tyr Phe
 260 265 270
 Ile Arg Lys Pro Pro Ser Asp Phe Leu Phe Pro Lys Pro Asn Arg
 275 280 285
 Phe Gln Pro Glu Leu Ser Ala Pro Asp Leu Arg Arg Phe Ile Asp
 290 295 300
 Gly Pro Asn Arg Ala Val Ala Leu Leu Pro Glu Leu Arg Glu Val
 305 310 315
 Val Ser Ser Ile Ser Tyr Ile Ala Arg Gln Leu Gln Glu Gln Glu
 320 325 330
 Asp His Asp Ala Leu Lys Glu Asp Trp Gln Phe Val Ala Met Val
 335 340 345

Val	Asp	Arg	Leu	Phe	Leu	Trp	Thr	Phe	Ile	Ile	Phe	Thr	Ser	Val
				350					355					360
Gly	Thr	Leu	Val	Ile	Phe	Leu	Asp	Ala	Thr	Tyr	His	Leu	Pro	Pro
				365					370					375
Pro	Asp	Pro	Phe	Pro										
				380										

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<211> 375

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7509178CD1

<400> 5

Met	Glu	Pro	Trp	Pro	Leu	Leu	Leu	Leu	Phe	Ser	Leu	Cys	Ser	Ala
1				5					10					15
Gly	Leu	Val	Leu	Gly	Ser	Glu	His	Glu	Thr	Arg	Leu	Val	Ala	Lys
				20					25					30
Leu	Phe	Lys	Asp	Tyr	Ser	Ser	Val	Val	Arg	Pro	Val	Glu	Asp	His
				35					40					45
Arg	Gln	Val	Val	Glu	Val	Thr	Val	Gly	Leu	Gln	Leu	Ile	Gln	Leu
				50					55					60
Ile	Asn	Val	Asp	Glu	Val	Asn	Gln	Ile	Val	Thr	Thr	Asn	Val	Arg
				65					70					75
Leu	Lys	Gln	Asn	Cys	Ser	Met	Lys	Leu	Gly	Thr	Trp	Thr	Tyr	Asp
				80					85					90
Gly	Ser	Val	Val	Ala	Ile	Asn	Pro	Glu	Ser	Asp	Gln	Pro	Asp	Leu
				95					100					105
Ser	Asn	Phe	Met	Glu	Ser	Gly	Glu	Trp	Val	Ile	Lys	Glu	Ser	Arg
				110					115					120
Gly	Trp	Lys	His	Ser	Val	Thr	Tyr	Ser	Cys	Cys	Pro	Asp	Thr	Pro
				125					130					135
Tyr	Leu	Asp	Ile	Thr	Tyr	His	Phe	Val	Met	Gln	Arg	Leu	Pro	Leu
				140					145					150
Tyr	Phe	Ile	Val	Asn	Val	Ile	Ile	Pro	Cys	Leu	Leu	Phe	Ser	Phe
				155					160					165
Leu	Thr	Gly	Leu	Val	Phe	Tyr	Leu	Pro	Thr	Asp	Ser	Gly	Glu	Lys
				170					175					180
Met	Thr	Leu	Ser	Ile	Ser	Val	Leu	Leu	Ser	Leu	Thr	Val	Phe	Leu
				185					190					195
Leu	Val	Ile	Val	Glu	Leu	Ile	Pro	Ser	Thr	Ser	Ser	Ala	Val	Pro
				200					205					210
Leu	Ile	Gly	Lys	Tyr	Met	Leu	Phe	Thr	Met	Val	Phe	Val	Ile	Ala
				215					220					225
Ser	Ile	Ile	Ile	Thr	Val	Ile	Val	Ile	Asn	Thr	His	His	Arg	Ser
				230					235					240
Pro	Ser	Thr	His	Val	Met	Pro	Asn	Trp	Val	Arg	Lys	Val	Phe	Ile
				245					250					255
Asp	Thr	Ile	Pro	Asn	Ile	Met	Phe	Phe	Ser	Thr	Met	Lys	Arg	Pro
				260					265					270
Ser	Arg	Glu	Lys	Gln	Asp	Lys	Lys	Ile	Phe	Thr	Glu	Asp	Ile	Asp
				275					280					285
Ile	Ser	Asp	Ile	Ser	Gly	Lys	Pro	Gly	Pro	Pro	Pro	Met	Gly	Phe

	290		295		300
His Ser Pro Leu	Ile Lys His Pro Glu	Val Lys Ser Ala Ile	Glu		
	305		310		315
Gly Ile Lys Tyr	Ile Ala Glu Thr Met	Lys Ser Asp Gln Glu	Ser		
	320		325		330
Asn Asn Ala Ala	Ala Glu Trp Lys Tyr	Val Ala Met Val Met	Asp		
	335		340		345
His Ile Leu Leu	Gly Val Phe Met Leu	Val Cys Ile Ile Gly	Thr		
	350		355		360
Leu Ala Val Phe	Ala Gly Arg Leu Ile	Glu Leu Asn Gln Gln	Gly		
	365		370		375

<210> 6

<211> 153

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509214CD1

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Met Ala Pro Pro	Trp Val Pro Ala Met	Gly Phe Thr Leu Ala	Pro
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Ser His Gly Val	Arg Leu Leu Pro Gly	Leu Glu Arg Ala Gly	Arg
	20	25	30
Leu His Arg Glu	Gly Cys Gly Ser Pro	Gly Pro Leu His Trp	Ala
	35	40	45
Ala Gly Pro Glu	Leu Gly Met Ala Pro	His Leu Leu Trp Cys	Pro
	50	55	60
Thr Asn Gly Leu	Gly Leu Gly Gly Ser	Pro Ala Gly Gln Trp	Gly
	65	70	75
Gly Gly Ser His	Tyr Arg Gly Leu Val	Pro Gly Glu Pro Ala	Gly
	80	85	90
Arg Pro Pro Ala	Leu Pro Leu Pro Gly	Leu Ala Gly Leu Arg	Asp
	95	100	105
His Thr Gln Leu	Leu Arg Met Ala Gly	Gln Pro Trp Leu Ala	Trp
	110	115	120
Gly Thr Ala Ala	Ala Arg Val Ser Ala	Arg Pro Thr Arg Asp	Cys
	125	130	135
Ser Cys Thr Ser	Arg Cys His His Ala	Cys Asp Val Val Ala	Val
	140	145	150
Thr Leu Ser			

<210> 7

<211> 369

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509244CD1

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Leu	Ser	Trp	Asp	Pro	Ala	Glu	His	Asp	Gly	Ile	Asp	Ser	Leu	Arg	
				20					25					30	
Ile	Thr	Ala	Glu	Ser	Val	Trp	Leu	Pro	Asp	Val	Val	Leu	Leu	Asn	
				35					40					45	
Asn	Asn	Asp	Gly	Asn	Phe	Asp	Val	Ala	Leu	Asp	Ile	Ser	Val	Val	
				50					55					60	
Val	Ser	Ser	Asp	Gly	Ser	Val	Arg	Trp	Gln	Pro	Pro	Gly	Ile	Tyr	
				65					70					75	
Arg	Ser	Ser	Cys	Ser	Ile	Gln	Val	Thr	Tyr	Phe	Pro	Phe	Asp	Trp	
				80					85					90	
Gln	Asn	Cys	Thr	Met	Val	Phe	Ser	Ser	Tyr	Ser	Tyr	Asp	Ser	Ser	
				95					100					105	
Glu	Val	Ser	Leu	Gln	Thr	Gly	Leu	Gly	Pro	Asp	Gly	Gln	Gly	His	
				110					115					120	
Gln	Glu	Ile	His	Ile	His	Glu	Gly	Thr	Phe	Ile	Glu	Asn	Gly	Gln	
				125					130					135	
Trp	Glu	Ile	Ile	His	Lys	Pro	Ser	Arg	Leu	Ile	Gln	Pro	Pro	Gly	
				140					145					150	
Asp	Pro	Arg	Gly	Gly	Arg	Glu	Gly	Gln	Arg	Gln	Glu	Val	Ile	Phe	
				155					160					165	
Tyr	Leu	Ile	Ile	Arg	Arg	Lys	Pro	Leu	Phe	Tyr	Leu	Val	Asn	Val	
				170					175					180	
Ile	Ala	Pro	Cys	Ile	Leu	Ile	Thr	Leu	Leu	Ala	Ile	Phe	Val	Phe	
				185					190					195	
Tyr	Leu	Pro	Pro	Asp	Ala	Gly	Glu	Lys	Met	Gly	Leu	Ser	Ile	Phe	
				200					205					210	
Ala	Leu	Leu	Thr	Leu	Thr	Val	Phe	Leu	Leu	Leu	Ala	Asp	Lys		
				215					220					225	
Val	Pro	Glu	Thr	Ser	Leu	Ser	Val	Pro	Ile	Ile	Ile	Lys	Tyr	Leu	
				230					235					240	
Met	Phe	Thr	Met	Val	Leu	Val	Thr	Phe	Ser	Val	Ile	Leu	Ser	Val	
				245					250					255	
Val	Val	Leu	Asn	Leu	His	His	Arg	Ser	Pro	His	Thr	His	Gln	Met	
				260					265					270	
Pro	Leu	Trp	Val	Arg	Gln	Ile	Phe	Ile	His	Lys	Leu	Pro	Leu	Tyr	
				275					280					285	
Leu	Arg	Leu	Lys	Arg	Pro	Lys	Pro	Glu	Arg	Asp	Leu	Met	Pro	Glu	
				290					295					300	
Leu	Arg	Glu	Val	Val	Ser	Ser	Ile	Ser	Tyr	Ile	Ala	Arg	Gln	Leu	
				305					310					315	
Gln	Glu	Gln	Glu	Asp	His	Asp	Ala	Leu	Lys	Glu	Asp	Trp	Gln	Phe	
				320					325					330	
Val	Ala	Met	Val	Val	Asp	Arg	Leu	Phe	Leu	Trp	Thr	Phe	Ile	Ile	
				335					340					345	
Phe	Thr	Ser	Val	Gly	Thr	Leu	Val	Ile	Phe	Leu	Asp	Ala	Thr	Tyr	
				350					355					360	
His	Leu	Pro	Pro	Pro	Asp	Pro	Phe	Pro							
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<210> 8

<211> 303

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509256CD1

<400> 8

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Met Lys Phe Leu Leu Thr Thr Ala Phe Leu Ile Leu Ile Ser Leu
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Trp Val Glu Glu Ala Tyr Ser Lys Glu Lys Ser Ser Lys Lys Gly
          20          25          30
Lys Gly Lys Lys Lys Gln Tyr Leu Cys Pro Ser Gln Gln Ser Ala
          35          40          45
Glu Asp Leu Ala Arg Val Pro Ala Asn Ser Thr Ser Asn Ile Leu
          50          55          60
Asn Arg Leu Leu Val Ser Tyr Asp Pro Arg Ile Arg Pro Asn Phe
          65          70          75
Lys Gly Ile Pro Val Asp Val Val Val Asn Ile Phe Ile Asn Ser
          80          85          90
Phe Gly Ser Ile Gln Glu Thr Thr Met Asp Tyr Arg Val Asn Ile
          95          100          105
Phe Leu Arg Gln Lys Trp Asn Asp Pro Arg Leu Lys Leu Pro Ser
          110          115          120
Asp Phe Arg Gly Ser Asp Ala Leu Thr Val Asp Pro Thr Met Tyr
          125          130          135
Lys Cys Leu Trp Lys Pro Asp Leu Phe Phe Ala Asn Glu Lys Ser
          140          145          150
Ala Asn Phe His Asp Val Thr Gln Glu Asn Ile Leu Leu Phe Ile
          155          160          165
Phe Arg Asp Gly Asp Val Leu Val Ser Met Arg Leu Ser Ile Thr
          170          175          180
Leu Ser Cys Pro Leu Asp Leu Thr Leu Phe Pro Met Asp Thr Gln
          185          190          195
Arg Cys Lys Met Gln Leu Glu Ser Phe Gly Tyr Thr Thr Asp Asp
          200          205          210
Leu Arg Phe Ile Trp Gln Ser Gly Asp Pro Val Gln Leu Glu Lys
          215          220          225
Ile Ala Leu Pro Gln Phe Asp Ile Lys Lys Glu Asp Ile Glu Tyr
          230          235          240
Gly Asn Cys Thr Lys Tyr Tyr Lys Gly Thr Gly Tyr Tyr Thr Cys
          245          250          255
Val Glu Val Ile Phe Thr Leu Arg Arg Gln Val Gly Phe Tyr Met
          260          265          270
Met Gly Val Tyr Ala Pro Thr Leu Leu Ile Val Val Leu Ser Trp
          275          280          285
Leu Ser Phe Trp Ile Asn Pro Asp Ala Ser Ala Ala Arg Val Pro
          290          295          300
Leu Gly Trp

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<210> 9

<211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509395CD1

<400> 9

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1				5					10					15	
Gly	Leu	Val	Leu	Gly	Ser	Glu	His	Glu	Thr	Arg	Leu	Val	Ala	Lys	
				20					25					30	
Leu	Phe	Lys	Asp	Tyr	Ser	Ser	Val	Val	Arg	Pro	Val	Glu	Asp	His	
				35					40					45	
Arg	Gln	Val	Val	Glu	Val	Thr	Val	Gly	Leu	Gln	Leu	Ile	Gln	Leu	
				50					55					60	
Ile	Asn	Val	Asp	Glu	Val	Asn	Gln	Ile	Val	Thr	Thr	Asn	Asn	Cys	
				65					70					75	
Ser	Met	Lys	Leu	Gly	Thr	Trp	Thr	Tyr	Asp	Gly	Ser	Val	Val	Ala	
				80					85					90	
Ile	Asn	Pro	Glu	Ser	Asp	Gln	Pro	Asp	Leu	Ser	Asn	Phe	Met	Glu	
				95					100					105	
Ser	Gly	Glu	Trp	Val	Ile	Lys	Glu	Ser	Arg	Gly	Trp	Lys	His	Ser	
				110					115					120	
Val	Thr	Tyr	Ser	Cys	Cys	Pro	Asp	Thr	Pro	Tyr	Leu	Asp	Ile	Thr	
				125					130					135	
Tyr	His	Phe	Val	Met	Gln	Arg	Leu	Pro	Leu	Tyr	Phe	Ile	Val	Asn	
				140					145					150	
Val	Ile	Ile	Pro	Cys	Leu	Leu	Phe	Ser	Phe	Leu	Thr	Gly	Leu	Val	
				155					160					165	
Phe	Tyr	Leu	Pro	Thr	Asp	Ser	Gly	Glu	Lys	Met	Thr	Leu	Ser	Ile	
				170					175					180	
Ser	Val	Leu	Leu	Ser	Leu	Thr	Val	Phe	Leu	Leu	Val	Ile	Val	Glu	
				185					190					195	
Leu	Ile	Pro	Ser	Thr	Ser	Ser	Ala	Val	Pro	Leu	Ile	Gly	Lys	Tyr	
				200					205					210	
Met	Leu	Phe	Thr	Met	Val	Phe	Val	Ile	Ala	Ser	Ile	Ile	Ile	Thr	
				215					220					225	
Val	Ile	Val	Ile	Asn	Thr	His	His	Arg	Ser	Pro	Ser	Thr	His	Val	
				230					235					240	
Met	Pro	Asn	Trp	Val	Arg	Lys	Val	Phe	Ile	Asp	Thr	Ile	Pro	Asn	
				245					250					255	
Ile	Met	Phe	Phe	Ser	Thr	Met	Lys	Arg	Pro	Ser	Arg	Glu	Lys	Gln	
				260					265					270	
Asp	Lys	Lys	Ile	Phe	Thr	Glu	Asp	Ile	Asp	Ile	Ser	Asp	Ile	Ser	
				275					280					285	
Gly	Lys	Pro	Gly	Pro	Pro	Pro	Met	Gly	Phe	His	Ser	Pro	Leu	Ile	
				290					295					300	
Lys	His	Pro	Glu	Val	Lys	Ser	Ala	Ile	Glu	Gly	Ile	Lys	Tyr	Ile	
				305					310					315	
Ala	Glu	Thr	Met	Lys	Ser	Asp	Gln	Glu	Ser	Asn	Asn	Ala	Ala	Ala	
				320					325					330	
Glu	Trp	Lys	Tyr	Val	Ala	Met	Val	Met	Asp	His	Ile	Leu	Leu	Gly	
				335					340					345	
Val	Phe	Met	Leu	Val	Cys	Ile	Ile	Gly	Thr	Leu	Ala	Val	Phe	Ala	
				350					355					360	
Gly	Arg	Leu	Ile	Glu	Leu	Asn	Gln	Gln	Gly						
				365					370						

<210> 10

<211> 283

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503287CD1

<400> 10

Met	Glu	Leu	Lys	Ala	Glu	Glu	Glu	Glu	Val	Gly	Gly	Val	Gln	Pro
1				5					10					15
Val	Ser	Ile	Gln	Ala	Phe	Ala	Ser	Ser	Ser	Thr	Leu	His	Gly	Leu
				20					25					30
Ala	His	Ile	Phe	Ser	Tyr	Glu	Arg	Leu	Ser	Leu	Lys	Arg	Ala	Leu
				35					40					45
Trp	Ala	Leu	Cys	Phe	Leu	Gly	Ser	Leu	Ala	Val	Leu	Leu	Cys	Val
				50					55					60
Cys	Thr	Glu	Arg	Val	Gln	Tyr	Tyr	Phe	His	Tyr	His	His	Val	Thr
				65					70					75
Lys	Leu	Asp	Glu	Val	Ala	Ala	Ser	Gln	Leu	Thr	Phe	Pro	Ala	Val
				80					85					90
Thr	Leu	Cys	Asn	Leu	Asn	Glu	Phe	Arg	Phe	Ser	Gln	Val	Ser	Lys
				95					100					105
Asn	Asp	Leu	Tyr	His	Ala	Gly	Glu	Leu	Leu	Ala	Leu	Leu	Asn	Asn
				110					115					120
Arg	Tyr	Glu	Ile	Pro	Asp	Thr	Gln	Met	Ala	Asp	Glu	Lys	Gln	Leu
				125					130					135
Glu	Ile	Leu	Gln	Asp	Lys	Ala	Asn	Phe	Arg	Ser	Phe	Lys	Pro	Lys
				140					145					150
Pro	Phe	Asn	Met	Arg	Glu	Phe	Tyr	Asp	Arg	Ala	Gly	His	Asp	Ile
				155					160					165
Arg	Asp	Met	Leu	Leu	Ser	Cys	His	Phe	Arg	Gly	Glu	Val	Cys	Ser
				170					175					180
Ala	Glu	Asp	Phe	Lys	Val	Val	Phe	Thr	Arg	Tyr	Gly	Lys	Cys	Tyr
				185					190					195
Thr	Phe	Asn	Ser	Gly	Arg	Asp	Gly	Arg	Pro	Arg	Leu	Lys	Thr	Met
				200					205					210
Lys	Gly	Gly	Thr	Gly	Asn	Gly	Leu	Glu	Ile	Met	Leu	Asp	Ile	Gln
				215					220					225
Gln	Asp	Glu	Tyr	Leu	Pro	Val	Trp	Gly	Glu	Thr	Asp	Glu	Thr	Ser
				230					235					240
Phe	Glu	Ala	Gly	Ile	Lys	Val	Gln	Ile	Phe	Pro	Leu	Val	Cys	Gly
				245					250					255
Lys	Glu	Gly	Val	Leu	Thr	Ile	Glu	Ser	Ser	Leu	Cys	Leu	Tyr	Pro
				260					265					270
Ile	Leu	Phe	Thr	Phe	Asn	Lys	Thr	Asn	Leu	Lys	Lys	Asn		
				275					280					

<210> 11

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503320CD1

<400> 11

Met	Arg	Cys	Ser	Pro	Gly	Gly	Val	Trp	Leu	Ala	Leu	Ala	Ala	Ser
1				5					10					15

Leu	Leu	His	Val	Ser	Leu	Gln	Gly	Glu	Phe	Gln	Arg	Lys	Leu	Tyr	
				20					25					30	
Lys	Glu	Leu	Val	Lys	Asn	Tyr	Asn	Pro	Leu	Glu	Arg	Pro	Val	Ala	
				35					40					45	
Asn	Asp	Ser	Gln	Pro	Leu	Thr	Val	Tyr	Phe	Ser	Leu	Ser	Leu	Leu	
				50					55					60	
Gln	Ile	Met	Asp	Val	Asp	Glu	Lys	Asn	Gln	Val	Leu	Thr	Thr	Thr	
				65					70					75	
Thr	Pro	Thr	Gly	Ala	Arg	Cys	Pro	Ser	Gly	Pro	Glu	Ser	Ser	Phe	
				80					85					90	

<210> 12

<211> 549

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503335CD1

<400> 12

Met	Pro	Ala	Cys	Cys	Ser	Cys	Ser	Asp	Val	Phe	Gln	Tyr	Glu	Thr	
1				5					10					15	
Asn	Lys	Val	Thr	Arg	Ile	Gln	Ser	Met	Asn	Tyr	Gly	Thr	Ile	Lys	
				20					25					30	
Trp	Phe	Phe	His	Val	Ile	Ile	Phe	Ser	Tyr	Val	Cys	Phe	Ala	Leu	
				35					40					45	
Val	Ser	Asp	Lys	Leu	Tyr	Gln	Arg	Lys	Glu	Pro	Val	Ile	Ser	Ser	
				50					55					60	
Val	His	Thr	Lys	Val	Lys	Gly	Ile	Ala	Glu	Val	Lys	Glu	Glu	Ile	
				65					70					75	
Val	Glu	Asn	Gly	Val	Lys	Lys	Leu	Val	His	Ser	Val	Phe	Asp	Thr	
				80					85					90	
Ala	Asp	Tyr	Thr	Phe	Pro	Leu	Gln	Gly	Asn	Ser	Phe	Phe	Val	Met	
				95					100					105	
Thr	Asn	Phe	Leu	Lys	Thr	Glu	Gly	Gln	Glu	Gln	Arg	Leu	Cys	Pro	
				110					115					120	
Glu	Tyr	Pro	Thr	Arg	Arg	Thr	Leu	Cys	Ser	Ser	Asp	Arg	Gly	Cys	
				125					130					135	
Lys	Lys	Gly	Trp	Met	Asp	Pro	Gln	Ser	Lys	Gly	Ile	Gln	Thr	Gly	
				140					145					150	
Arg	Cys	Val	Val	His	Glu	Gly	Asn	Gln	Lys	Thr	Cys	Glu	Val	Ser	
				155					160					165	
Ala	Trp	Cys	Pro	Ile	Glu	Ala	Val	Glu	Glu	Ala	Pro	Arg	Pro	Ala	
				170					175					180	
Leu	Leu	Asn	Ser	Ala	Glu	Asn	Phe	Thr	Val	Leu	Ile	Lys	Asn	Asn	
				185					190					195	
Ile	Asp	Phe	Pro	Gly	His	Asn	Tyr	Thr	Thr	Arg	Asn	Ile	Leu	Pro	
				200					205					210	
Gly	Leu	Asn	Ile	Thr	Cys	Thr	Phe	His	Lys	Thr	Gln	Asn	Pro	Gln	
				215					220					225	
Cys	Pro	Ile	Phe	Arg	Leu	Gly	Asp	Ile	Phe	Arg	Glu	Gln	Ala	Ile	
				230					235					240	
Ile	Phe	Gln	Met	Trp	Gln	Phe	Arg	Tyr	Ala	Lys	Tyr	Tyr	Lys	Glu	
				245					250					255	

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Asn Asn Val Glu Lys Arg Thr Leu Ile Lys Val Phe Gly Ile Arg
      260      265      270
Phe Asp Ile Leu Val Phe Gly Thr Gly Gly Lys Phe Asp Ile Ile
      275      280      285
Gln Leu Val Val Tyr Ile Gly Ser Thr Leu Ser Tyr Phe Gly Leu
      290      295      300
Ala Ala Val Phe Ile Asp Phe Leu Ile Asp Thr Tyr Ser Ser Asn
      305      310      315
Cys Cys Arg Ser His Ile Tyr Pro Trp Cys Lys Cys Cys Gln Pro
      320      325      330
Cys Val Val Asn Glu Tyr Tyr Tyr Arg Lys Lys Cys Glu Ser Ile
      335      340      345
Val Glu Pro Lys Pro Thr Leu Lys Tyr Val Ser Phe Val Asp Glu
      350      355      360
Ser His Ile Arg Met Val Asn Gln Gln Leu Leu Gly Arg Ser Leu
      365      370      375
Gln Asp Val Lys Gly Gln Glu Val Pro Arg Pro Ala Met Asp Phe
      380      385      390
Thr Asp Leu Ser Arg Leu Pro Leu Ala Leu His Asp Thr Pro Pro
      395      400      405
Ile Pro Gly Gln Pro Glu Glu Ile Gln Leu Leu Arg Lys Glu Ala
      410      415      420
Thr Pro Arg Ser Arg Asp Ser Pro Val Trp Cys Gln Cys Gly Ser
      425      430      435
Cys Leu Pro Ser Gln Leu Pro Glu Ser His Arg Cys Leu Glu Glu
      440      445      450
Leu Cys Cys Arg Lys Lys Pro Gly Ala Cys Ile Thr Thr Ser Glu
      455      460      465
Leu Phe Arg Lys Leu Val Leu Ser Arg His Val Leu Gln Phe Leu
      470      475      480
Leu Leu Tyr Gln Glu Pro Leu Leu Ala Leu Asp Val Asp Ser Thr
      485      490      495
Asn Ser Arg Leu Arg His Cys Ala Tyr Arg Cys Tyr Ala Thr Trp
      500      505      510
Arg Phe Gly Ser Gln Asp Met Ala Asp Phe Ala Ile Leu Pro Ser
      515      520      525
Cys Cys Arg Trp Arg Ile Arg Lys Glu Phe Pro Lys Ser Glu Gly
      530      535      540
Gln Tyr Ser Gly Phe Lys Ser Pro Tyr
      545

```

<210> 13

<211> 246

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503952CD1

<400> 13

```

Met Leu Ser Ser Val Met Ala Pro Leu Trp Ala Cys Ile Leu Val
  1           5           10           15
Ala Ala Gly Ile Leu Ala Thr Asp Thr His His Pro Gln Asp Ser
           20           25           30
Ala Leu Tyr His Leu Ser Lys Gln Leu Leu Gln Lys Tyr His Lys

```

	35		40		45
Glu Val Arg Pro Val Tyr Asn Trp Thr Lys Ala Thr Thr Val Tyr					
	50		55		60
Leu Asp Leu Phe Val His Ala Ile Leu Asp Val Asp Ala Glu Asn					
	65		70		75
Gln Ile Leu Lys Thr Ser Val Trp Tyr Gln Glu Val Trp Asn Asp					
	80		85		90
Glu Phe Leu Ser Trp Asn Ser Ser Met Phe Asp Glu Ile Arg Glu					
	95		100		105
Ile Ser Leu Pro Leu Ser Ala Ile Trp Ala Pro Asp Ile Ile Ile					
	110		115		120
Asn Glu Phe Val Asp Ile Glu Arg Tyr Pro Asp Leu Pro Tyr Val					
	125		130		135
Tyr Val Asn Ser Ser Gly Thr Ile Glu Asn Tyr Lys Pro Ile Gln					
	140		145		150
Val Val Ser Ala Cys Ser Leu Glu Thr Tyr Ala Phe Pro Phe Asp					
	155		160		165
Val Gln Asn Cys Ser Leu Thr Phe Lys Ser Ile Leu His Thr Val					
	170		175		180
Glu Asp Val Asp Leu Ala Phe Leu Arg Ser Pro Glu Asp Ile Gln					
	185		190		195
His Asp Lys Lys Ala Phe Leu Asn Asp Ser Glu Trp Glu Leu Leu					
	200		205		210
Ser Val Ser Ser Thr Tyr Ser Ile Leu Gln Ser Ser Ala Gly Gly					
	215		220		225
Phe Ala Gln Ile Gln Phe Asn Gly Thr Ser Ser Pro Ser Ala Trp					
	230		235		240
Pro Ser Trp Phe Ser Ala					
	245				

<210> 14

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7504530CD1

<400> 14

Met Val Gln Ala Ser Gly His Arg Arg Ser Thr Arg Gly Ser Lys					
1	5		10		15
Met Val Ser Trp Ser Val Ile Ala Lys Ile Gln Glu Ile Leu Gln					
	20		25		30
Arg Lys Met Val Arg Glu Phe Leu Ala Glu Phe Met Ser Thr Tyr					
	35		40		45
Val Met Met Val Phe Gly Leu Gly Ser Val Ala His Met Val Leu					
	50		55		60
Asn Lys Lys Tyr Gly Ser Tyr Leu Gly Val Asn Leu Gly Phe Gly					
	65		70		75
Phe Gly Val Thr Met Gly Val His Val Ala Gly Arg Ile Ser Gly					
	80		85		90
Ala His Met Asn Ala Ala Val Thr Phe Ala Asn Cys Ala Leu Gly					
	95		100		105
Arg Val Pro Trp Arg Lys Phe Pro Val Tyr Val Leu Gly Gln Phe					
	110		115		120

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Leu Gly Ser Phe Leu Ala Ala Ala Thr Ile Tyr Ser Leu Phe Tyr
125 130 135
Thr Ala Ile Leu His Phe Ser Gly Gly Gln Leu Met Val Thr Gly
140 145 150
Pro Val Ala Thr Ala Gly Ile Phe Ala Thr Tyr Leu Pro Asp His
155 160 165
Met Thr Leu Trp Arg Gly Phe Leu Asn Glu Ala Trp Leu Thr Gly
170 175 180
Met Leu Gln Leu Cys Leu Phe Ala Ile Thr Asp Gln Glu Asn Asn
185 190 195
Pro Ala Leu Pro Gly Thr Glu Ala Leu Val Ile Gly Ile Leu Val
200 205 210
Val Ile Ile Gly Val Ser Leu Gly Met Asn Thr Gly Tyr Ala Ile
215 220 225
Asn Pro Ser Arg Asp Leu Pro Pro Arg Ile Phe Thr Phe Ile Ala
230 235 240
Gly Trp Gly Lys Gln Val Phe Arg Trp His His Leu Pro Gly Leu
245 250 255
His Trp Leu His His Pro Thr Gly Ala Pro Glu Ile Gly Gly Phe
260 265 270
Cys Gly Val

```

<210> 15

<211> 245

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509303CD1

<400> 15

```

Met Glu Gly Asn Lys Leu Glu Glu Gln Asp Ser Ser Pro Pro Gln
1 5 10 15
Ser Thr Pro Gly Leu Met Lys Gly Asn Lys Arg Glu Glu Gln Gly
20 25 30
Leu Gly Pro Glu Pro Ala Ala Pro Gln Gln Pro Thr Ala Glu Glu
35 40 45
Glu Ala Leu Ile Glu Phe His Arg Ser Tyr Arg Glu Leu Phe Glu
50 55 60
Phe Phe Cys Asn Asn Thr Thr Ile His Gly Ala Ile Arg Leu Val
65 70 75
Cys Ser Gln His Asn Arg Met Lys Thr Ala Phe Trp Ala Val Leu
80 85 90
Trp Leu Cys Thr Phe Gly Met Met Tyr Trp Gln Phe Gly Leu Leu
95 100 105
Phe Gly Glu Tyr Phe Ser Tyr Pro Val Ser Leu Asn Ile Asn Leu
110 115 120
Asn Ser Asp Lys Leu Val Phe Pro Ala Val Thr Ile Cys Thr Leu
125 130 135
Asn Pro Tyr Arg Tyr Pro Glu Ile Lys Glu Glu Leu Glu Glu Leu
140 145 150
Asp Arg Ile Thr Glu Gln Thr Leu Phe Asp Leu Tyr Lys Tyr Ser
155 160 165
Ser Phe Thr Thr Leu Val Ala Gly Ser Arg Ser Arg Arg Asp Leu

```

	170		175		180
Arg Gly Thr Leu	Pro His Pro Leu Gln	Arg Leu Arg Val	Pro Pro		
	185		190		195
Pro Pro His Gly	Ala Arg Arg Ala Arg	Ser Val Ala Ser	Ser Leu		
	200		205		210
Arg Asp Asn Asn	Pro Gln Val Asp Trp	Lys Asp Trp Lys	Ile Gly		
	215		220		225
Phe Gln Leu Glu	Leu Leu Ser Leu Pro	Pro Pro Asp Val	Trp Lys		
	230		235		240
Leu Leu Tyr Phe	Gln				
	245				

<210> 16

<211> 364

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509910CD1

<400> 16

Met Pro Ala Cys Cys	Ser Cys Ser Asp	Val Phe Gln Tyr	Glu Thr	
1	5	10	15	
Asn Lys Val Thr	Arg Ile Gln Ser Met	Asn Tyr Gly Thr	Ile Lys	
	20	25	30	
Trp Phe Phe His	Val Ile Ile Phe Ser	Tyr Val Cys Phe	Ala Leu	
	35	40	45	
Val Ser Asp Lys	Leu Tyr Gln Arg Lys	Glu Pro Val Ile	Ser Ser	
	50	55	60	
Val His Thr Lys	Val Lys Gly Ile Ala	Glu Val Lys Glu	Glu Ile	
	65	70	75	
Val Glu Asn Gly	Val Lys Lys Leu Val	His Ser Val Phe	Asp Thr	
	80	85	90	
Ala Asp Tyr Thr	Phe Pro Leu Gln Gly	Asn Ser Phe Phe	Val Met	
	95	100	105	
Thr Asn Phe Leu	Lys Thr Glu Gly Gln	Glu Gln Arg Leu	Cys Pro	
	110	115	120	
Glu Tyr Pro Thr	Arg Arg Thr Leu Cys	Ser Ser Asp Arg	Gly Cys	
	125	130	135	
Lys Lys Gly Trp	Met Asp Pro Gln Ser	Lys Gly Ile Gln	Thr Gly	
	140	145	150	
Arg Cys Val Val	His Glu Gly Asn Gln	Lys Thr Cys Glu	Val Ser	
	155	160	165	
Ala Trp Cys Pro	Ile Glu Ala Val Glu	Glu Ala Pro Arg	Pro Ala	
	170	175	180	
Leu Leu Asn Ser	Ala Glu Asn Phe Thr	Val Leu Ile Lys	Asn Asn	
	185	190	195	
Ile Asp Phe Pro	Gly His Asn Tyr Thr	Thr Arg Asn Ile	Leu Pro	
	200	205	210	
Gly Leu Asn Ile	Thr Cys Thr Phe His	Lys Thr Gln Asn	Pro Gln	
	215	220	225	
Cys Pro Ile Phe	Arg Leu Gly Asp Ile	Phe Arg Glu Thr	Gly Asp	
	230	235	240	
Asn Phe Ser Asp	Val Ala Ile Gln Gly	Gly Ile Met Gly	Ile Glu	
	245	250	255	

```

Ile Tyr Trp Asp Cys Asn Leu Asp Arg Trp Phe His His Cys Arg
    260                      265                      270
Pro Lys Tyr Ser Phe Arg Arg Leu Asp Asp Lys Thr Thr Asn Val
    275                      280                      285
Ser Leu Tyr Pro Gly Tyr Asn Phe Arg Tyr Ala Lys Tyr Tyr Lys
    290                      295                      300
Glu Asn Asn Val Glu Lys Arg Thr Leu Ile Lys Val Phe Gly Ile
    305                      310                      315
Arg Phe Asp Ile Leu Val Phe Gly Thr Gly Gly Lys Phe Asp Ile
    320                      325                      330
Ile Gln Leu Val Val Tyr Ile Gly Ser Thr Leu Ser Tyr Phe Gly
    335                      340                      345
Leu Val Arg Asp Ser Leu Phe His Ala Leu Gly Lys Trp Phe Gly
    350                      355                      360
Glu Gly Ser Asp

```

<210> 17

<211> 1623

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509982CD1

<400> 17

```

Met Asn Met Lys Gln Lys Ser Val Tyr Gln Gln Thr Lys Ala Leu
  1          5          10          15
Leu Cys Lys Asn Phe Leu Lys Lys Trp Arg Met Lys Arg Glu Ser
    20          25          30
Leu Leu Glu Trp Gly Leu Ser Ile Leu Leu Gly Leu Cys Ile Ala
    35          40          45
Leu Phe Ser Ser Ser Met Arg Asn Val Gln Phe Pro Gly Met Ala
    50          55          60
Pro Gln Asn Leu Gly Arg Val Asp Lys Phe Asn Ser Ser Ser Leu
    65          70          75
Met Val Val Tyr Thr Pro Ile Ser Asn Leu Thr Gln Gln Ile Met
    80          85          90
Asn Lys Thr Ala Leu Ala Pro Leu Leu Lys Gly Thr Ser Val Ile
    95          100         105
Gly Ala Pro Asn Lys Thr His Met Asp Glu Ile Leu Leu Glu Asn
   110         115         120
Leu Pro Tyr Ala Met Gly Ile Ile Phe Asn Glu Thr Phe Ser Tyr
   125         130         135
Lys Leu Ile Phe Phe Gln Gly Tyr Asn Ser Pro Leu Trp Lys Glu
   140         145         150
Asp Phe Ser Ala His Cys Trp Asp Gly Tyr Gly Glu Phe Ser Cys
   155         160         165
Thr Leu Thr Lys Tyr Trp Asn Arg Gly Phe Val Ala Leu Gln Thr
   170         175         180
Ala Ile Asn Thr Ala Ile Ile Glu Ile Thr Thr Asn His Pro Val
   185         190         195
Met Glu Glu Leu Met Ser Val Thr Ala Ile Thr Met Lys Thr Leu
   200         205         210
Pro Phe Ile Thr Lys Asn Leu Leu His Asn Glu Met Phe Ile Leu

```


				215					220				225	
Phe	Phe	Leu	Leu	His	Phe	Ser	Pro	Leu	Val	Tyr	Phe	Ile	Ser	Leu
				230					235					240
Asn	Val	Thr	Lys	Glu	Arg	Lys	Lys	Ser	Lys	Asn	Leu	Met	Lys	Met
				245					250					255
Met	Gly	Leu	Gln	Asp	Ser	Ala	Phe	Trp	Leu	Ser	Trp	Gly	Leu	Ile
				260					265					270
Tyr	Ala	Gly	Phe	Ile	Phe	Ile	Ile	Ser	Ile	Phe	Ile	Thr	Ile	Ile
				275					280					285
Ile	Thr	Phe	Thr	Gln	Ile	Ile	Val	Met	Thr	Gly	Phe	Met	Val	Ile
				290					295					300
Phe	Ile	Pro	Phe	Phe	Leu	Tyr	Gly	Leu	Ser	Leu	Val	Ala	Leu	Val
				305					310					315
Phe	Leu	Leu	Ser	Val	Leu	Leu	Lys	Lys	Ala	Val	Leu	Thr	Asn	Leu
				320					325					330
Val	Val	Phe	Leu	Leu	Thr	Leu	Phe	Trp	Gly	Cys	Leu	Gly	Phe	Thr
				335					340					345
Val	Phe	Tyr	Glu	Gln	Leu	Pro	Ser	Ser	Leu	Glu	Trp	Ile	Leu	Asn
				350					355					360
Ile	Cys	Ser	Pro	Phe	Ala	Phe	Thr	Thr	Gly	Met	Ile	Gln	Ile	Ile
				365					370					375
Lys	Leu	Asp	Tyr	Asn	Leu	Asn	Gly	Val	Ile	Phe	Pro	Asp	Pro	Ser
				380					385					390
Gly	Asp	Ser	Tyr	Thr	Met	Ile	Ala	Thr	Phe	Ser	Met	Leu	Leu	Leu
				395					400					405
Asp	Gly	Leu	Ile	Tyr	Leu	Leu	Leu	Ala	Leu	Tyr	Phe	Asp	Lys	Ile
				410					415					420
Leu	Pro	Tyr	Gly	Asp	Glu	Arg	His	Tyr	Ser	Pro	Leu	Phe	Phe	Leu
				425					430					435
Asn	Ser	Ser	Ser	Cys	Phe	Gln	His	Gln	Arg	Thr	Asn	Ala	Lys	Val
				440					445					450
Ile	Glu	Lys	Glu	Ile	Asp	Ala	Glu	His	Pro	Ser	Asp	Asp	Tyr	Phe
				455					460					465
Glu	Pro	Val	Ala	Pro	Glu	Phe	Gln	Gly	Lys	Glu	Ala	Ile	Arg	Ile
				470					475					480
Arg	Asn	Val	Lys	Lys	Glu	Tyr	Lys	Gly	Lys	Ser	Gly	Lys	Val	Glu
				485					490					495
Ala	Leu	Lys	Gly	Leu	Leu	Phe	Asp	Ile	Tyr	Glu	Gly	Gln	Ile	Thr
				500					505					510
Ala	Ile	Leu	Gly	His	Ser	Gly	Ala	Gly	Lys	Ser	Ser	Leu	Leu	Asn
				515					520					525
Ile	Leu	Asn	Gly	Leu	Ser	Val	Pro	Thr	Glu	Gly	Ser	Val	Thr	Ile
				530					535					540
Tyr	Asn	Lys	Asn	Leu	Ser	Glu	Met	Gln	Asp	Leu	Glu	Glu	Ile	Arg
				545					550					555
Lys	Ile	Thr	Gly	Val	Cys	Pro	Gln	Phe	Asn	Val	Gln	Phe	Asp	Ile
				560					565					570
Leu	Thr	Val	Lys	Glu	Asn	Leu	Ser	Leu	Phe	Ala	Lys	Ile	Lys	Gly
				575					580					585
Ile	His	Leu	Lys	Glu	Val	Glu	Gln	Glu	Val	Gln	Arg	Ile	Leu	Leu
				590					595					600
Glu	Leu	Asp	Met	Gln	Asn	Ile	Gln	Asp	Asn	Leu	Ala	Lys	His	Leu
				605					610					615
Ser	Glu	Gly	Gln	Lys	Arg	Lys	Leu	Thr	Phe	Gly	Ile	Thr	Ile	Leu
				620					625					630
Gly	Asp	Pro	Gln	Ile	Leu	Leu	Leu	Asp	Glu	Pro	Thr	Thr	Gly	Leu

Asp Pro Phe Ser	635	Asp Gln Val Trp	640	Ser Leu Leu Arg Glu Arg	645
	650		655		660
Arg Ala Asp His	665	Val Ile Leu Phe Ser	670	Thr Gln Ser Met Asp Glu	675
Ala Asp Ile Leu	680	Ala Asp Arg Lys Val	685	Ile Met Ser Asn Gly Arg	690
Leu Lys Cys Ala	695	Gly Ser Ser Met Phe	700	Leu Lys Arg Arg Trp Gly	705
Leu Gly Tyr His	710	Leu Ser Leu His Arg	715	Asn Glu Ile Cys Asn Pro	720
Glu Gln Ile Thr	725	Ser Phe Ile Thr His	730	His Ile Pro Asp Ala Lys	735
Leu Lys Thr Glu	740	Asn Lys Glu Lys Leu	745	Val Tyr Thr Leu Pro Leu	750
Glu Arg Thr Asn	755	Thr Phe Pro Asp Leu	760	Phe Ser Asp Leu Asp Lys	765
Cys Ser Asp Gln	770	Gly Val Thr Gly Tyr	775	Asp Ile Ser Met Ser Thr	780
Leu Asn Glu Val	785	Phe Met Lys Leu Glu	790	Gly Gln Ser Thr Ile Glu	795
Gln Gly Lys Ala	800	Ile Cys Ile Asn Phe	805	Glu Gln Val Glu Met Ile	810
Arg Asp Ser Glu	815	Ser Leu Asn Glu Met	820	Glu Leu Ala His Ser Ser	825
Phe Ser Glu Met	830	Gln Thr Ala Val Ser	835	Asp Met Gly Leu Trp Arg	840
Met Gln Val Phe	845	Ala Met Ala Arg Leu	850	Arg Phe Leu Lys Leu Lys	855
Arg Gln Thr Lys	860	Val Leu Leu Thr Leu	865	Leu Leu Val Phe Gly Ile	870
Ala Ile Phe Pro	875	Leu Ile Val Glu Asn	880	Ile Ile Tyr Ala Met Leu	885
Asn Glu Lys Ile	890	Asp Trp Glu Phe Lys	895	Asn Glu Leu Tyr Phe Leu	900
Ser Pro Gly Gln	905	Leu Pro Gln Glu Pro	910	Arg Thr Ser Leu Leu Ile	915
Ile Asn Asn Thr	920	Glu Ser Asn Ile Glu	925	Asp Phe Ile Lys Ser Leu	930
Lys His Gln Asn	935	Ile Leu Leu Glu Val	940	Asp Asp Phe Glu Asn Arg	945
Asn Gly Thr Asp	950	Gly Leu Ser Tyr Asn	955	Gly Ala Ile Ile Val Ser	960
Gly Lys Gln Lys	965	Asp Tyr Arg Phe Ser	970	Val Val Cys Asn Thr Lys	975
Arg Leu His Cys	980	Phe Pro Ile Leu Met	985	Asn Ile Ile Ser Asn Gly	990
Leu Leu Gln Met	995	Phe Asn His Thr Gln	1000	His Ile Arg Ile Glu Ser	1005
Ser Pro Phe Pro	1010	Leu Ser His Ile Gly	1015	Leu Trp Thr Gly Leu Pro	1020
Asp Gly Ser Phe	1025	Phe Leu Phe Leu Val	1030	Leu Cys Ser Ile Ser Pro	1035
Tyr Ile Thr Met	1040	Gly Ser Ile Ser Asp	1045	Tyr Lys Lys Asn Ala Lys	1050
Ser Gln Leu Trp		Ile Ser Gly Leu Tyr		Thr Ser Ala Tyr Trp Cys	

1055	1060	1065
Gly Gln Ala Leu Val Asp Val Ser Phe Phe	Ile Leu Ile Leu Leu	
1070	1075	1080
Leu Met Tyr Leu Ile Phe Tyr Ile Glu Asn Met Gln Tyr Leu Leu		
1085	1090	1095
Ile Thr Ser Gln Ile Val Phe Ala Leu Val Ile Val Thr Pro Gly		
1100	1105	1110
Tyr Ala Ala Ser Leu Val Phe Phe Ile Tyr Met Ile Ser Phe Ile		
1115	1120	1125
Phe Arg Lys Arg Arg Lys Asn Ser Gly Leu Trp Ser Phe Tyr Phe		
1130	1135	1140
Phe Phe Ala Ser Thr Ile Met Phe Ser Ile Thr Leu Ile Asn His		
1145	1150	1155
Phe Asp Leu Ser Ile Leu Ile Thr Thr Met Val Leu Val Pro Ser		
1160	1165	1170
Tyr Thr Leu Leu Gly Phe Lys Thr Phe Leu Glu Val Arg Asp Gln		
1175	1180	1185
Glu His Tyr Arg Glu Phe Pro Glu Ala Asn Phe Glu Leu Ser Ala		
1190	1195	1200
Thr Asp Phe Leu Val Cys Phe Ile Pro Tyr Phe Gln Thr Leu Leu		
1205	1210	1215
Phe Val Phe Val Leu Arg Tyr Met Glu Leu Lys Cys Gly Lys Lys		
1220	1225	1230
Arg Met Arg Lys Asp Pro Val Phe Arg Ile Ser Pro Gln Ser Arg		
1235	1240	1245
Asp Ala Lys Pro Asn Pro Glu Glu Pro Ile Asp Glu Asp Glu Asp		
1250	1255	1260
Ile Gln Thr Glu Arg Ile Arg Thr Val Thr Ala Leu Thr Thr Ser		
1265	1270	1275
Ile Leu Asp Glu Lys Pro Val Ile Ile Ala Ser Cys Leu His Lys		
1280	1285	1290
Glu Tyr Ala Gly Gln Lys Lys Ser Cys Phe Ser Lys Arg Lys Lys		
1295	1300	1305
Lys Ile Ala Ala Arg Asn Ile Ser Phe Cys Val Gln Glu Gly Glu		
1310	1315	1320
Ile Leu Gly Leu Leu Gly Pro Ser Gly Ala Gly Lys Ser Ser Ser		
1325	1330	1335
Ile Arg Met Ile Ser Gly Ile Thr Lys Pro Thr Ala Gly Glu Val		
1340	1345	1350
Glu Leu Lys Gly Cys Ser Ser Val Leu Gly His Leu Gly Tyr Cys		
1355	1360	1365
Pro Gln Glu Asn Val Leu Trp Pro Met Leu Thr Leu Arg Glu His		
1370	1375	1380
Leu Glu Val Tyr Ala Ala Val Lys Gly Leu Arg Glu Ala Asp Ala		
1385	1390	1395
Arg Leu Ala Ile Ala Arg Leu Val Ser Ala Phe Lys Leu His Glu		
1400	1405	1410
Gln Leu Asn Val Pro Val Gln Lys Leu Thr Ala Gly Ile Thr Arg		
1415	1420	1425
Lys Leu Cys Phe Val Leu Ser Leu Leu Gly Asn Ser Pro Val Leu		
1430	1435	1440
Leu Leu Asp Glu Pro Ser Thr Gly Ile Asp Pro Thr Gly Gln Gln		
1445	1450	1455
Gln Met Trp Gln Ala Ile Gln Ala Val Val Lys Asn Thr Glu Arg		
1460	1465	1470
Gly Val Leu Leu Thr Thr His Asn Leu Ala Glu Ala Glu Ala Leu		

	1475	1480	1485
Cys Asp Arg Val Ala Ile Met Val Ser Gly Arg Leu Arg Cys Ile			
	1490	1495	1500
Gly Ser Ile Gln His Leu Lys Asn Lys Leu Gly Lys Asp Tyr Ile			
	1505	1510	1515
Leu Glu Leu Lys Val Lys Glu Thr Ser Gln Val Thr Leu Val His			
	1520	1525	1530
Thr Glu Ile Leu Lys Leu Phe Pro Gln Ala Ala Gly Gln Glu Arg			
	1535	1540	1545
Tyr Ser Ser Leu Leu Thr Tyr Lys Leu Pro Val Ala Asp Val Tyr			
	1550	1555	1560
Pro Leu Ser Gln Thr Phe His Lys Leu Glu Ala Val Lys His Asn			
	1565	1570	1575
Phe Asn Leu Glu Glu Tyr Ser Leu Ser Gln Cys Thr Leu Glu Lys			
	1580	1585	1590
Val Phe Leu Glu Leu Ser Lys Glu Gln Glu Val Gly Asn Phe Asp			
	1595	1600	1605
Glu Glu Ile Asp Thr Thr Met Arg Trp Lys Leu Leu Pro His Ser			
	1610	1615	1620
Asp Glu Pro			

<210> 18

<211> 611

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510082CD1

<400> 18

Met Pro Ala Pro Arg Ala Arg Glu Gln Pro Arg Val Pro Gly Glu		
1 5 10 15		
Arg Gln Pro Leu Leu Pro Arg Gly Ala Arg Gly Pro Arg Arg Trp		
20 25 30		
Arg Arg Ala Ala Gly Ala Ala Val Leu Leu Val Glu Met Leu Glu		
35 40 45		
Arg Ala Ala Phe Phe Gly Val Thr Ala Asn Leu Val Leu Tyr Leu		
50 55 60		
Asn Ser Thr Asn Phe Asn Trp Thr Gly Glu Gln Ala Thr Arg Ala		
65 70 75		
Ala Leu Val Phe Leu Gly Ala Ser Tyr Leu Leu Ala Pro Val Gly		
80 85 90		
Gly Trp Leu Ala Asp Val Tyr Leu Gly Arg Tyr Arg Ala Val Ala		
95 100 105		
Leu Ser Leu Leu Leu Tyr Leu Ala Ala Ser Gly Leu Leu Pro Ala		
110 115 120		
Thr Ala Phe Pro Asp Gly Arg Ser Ser Phe Cys Gly Glu Met Pro		
125 130 135		
Ala Ser Pro Leu Gly Pro Ala Cys Pro Ser Ala Gly Cys Pro Arg		
140 145 150		
Ser Ser Pro Ser Pro Tyr Cys Ala Pro Val Leu Tyr Ala Gly Leu		
155 160 165		
Leu Leu Leu Gly Leu Ala Ala Ser Ser Val Arg Ser Asn Leu Thr		
170 175 180		

Ser	Phe	Gly	Ala	Asp	Gln	Val	Met	Asp	Leu	Gly	Arg	Asp	Ala	Thr	185	190	195
Arg	Arg	Phe	Phe	Asn	Trp	Phe	Tyr	Trp	Ser	Ile	Asn	Leu	Gly	Ala	200	205	210
Val	Leu	Ser	Leu	Leu	Val	Val	Ala	Phe	Ile	Gln	Gln	Asn	Ile	Ser	215	220	225
Phe	Leu	Leu	Gly	Tyr	Ser	Ile	Pro	Val	Gly	Cys	Val	Gly	Leu	Ala	230	235	240
Phe	Phe	Ile	Phe	Leu	Phe	Ala	Thr	Pro	Val	Phe	Ile	Thr	Lys	Pro	245	250	255
Pro	Met	Gly	Ser	Gln	Val	Ser	Ser	Met	Leu	Lys	Leu	Ala	Leu	Gln	260	265	270
Asn	Cys	Cys	Pro	Gln	Leu	Trp	Gln	Arg	His	Ser	Ala	Arg	Asp	Arg	275	280	285
Gln	Cys	Ala	Arg	Val	Leu	Ala	Asp	Glu	Arg	Ser	Pro	Gln	Pro	Gly	290	295	300
Ala	Ser	Pro	Gln	Glu	Asp	Ile	Ala	Asn	Phe	Gln	Val	Leu	Val	Lys	305	310	315
Ile	Leu	Pro	Val	Met	Val	Thr	Leu	Val	Pro	Tyr	Trp	Met	Val	Tyr	320	325	330
Phe	Gln	Met	Gln	Ser	Thr	Tyr	Val	Leu	Gln	Gly	Leu	His	Leu	His	335	340	345
Ile	Pro	Asn	Ile	Phe	Pro	Ala	Asn	Pro	Ala	Asn	Ile	Ser	Val	Ala	350	355	360
Leu	Arg	Ala	Gln	Gly	Ser	Ser	Tyr	Thr	Ile	Pro	Glu	Ala	Trp	Leu	365	370	375
Leu	Leu	Ala	Asn	Val	Val	Val	Val	Leu	Ile	Leu	Val	Pro	Leu	Lys	380	385	390
Asp	Arg	Leu	Ile	Asp	Pro	Leu	Leu	Leu	Arg	Cys	Lys	Leu	Leu	Pro	395	400	405
Ser	Ala	Leu	Gln	Lys	Met	Ala	Leu	Gly	Met	Phe	Phe	Gly	Phe	Thr	410	415	420
Ser	Val	Ile	Val	Ala	Gly	Val	Leu	Glu	Met	Glu	Arg	Leu	His	Tyr	425	430	435
Ile	His	His	Asn	Glu	Thr	Val	Ser	Gln	Gln	Ile	Gly	Glu	Val	Leu	440	445	450
Tyr	Asn	Ala	Ala	Pro	Leu	Ser	Ile	Trp	Trp	Gln	Ile	Pro	Gln	Tyr	455	460	465
Leu	Leu	Ile	Gly	Ile	Ser	Glu	Ile	Phe	Ala	Ser	Ile	Pro	Gly	Leu	470	475	480
Glu	Phe	Ala	Tyr	Ser	Glu	Ala	Pro	Arg	Ser	Met	Gln	Gly	Ala	Ile	485	490	495
Met	Gly	Ile	Phe	Phe	Cys	Leu	Ser	Gly	Val	Gly	Ser	Leu	Leu	Gly	500	505	510
Ser	Ser	Leu	Val	Ala	Leu	Leu	Ser	Leu	Pro	Gly	Gly	Trp	Leu	His	515	520	525
Cys	Pro	Lys	Asp	Phe	Gly	Asn	Ile	Asn	Asn	Cys	Arg	Met	Asp	Leu	530	535	540
Tyr	Phe	Phe	Leu	Leu	Ala	Gly	Ile	Gln	Ala	Val	Thr	Ala	Leu	Leu	545	550	555
Phe	Val	Trp	Ile	Ala	Gly	Arg	Tyr	Glu	Arg	Ala	Ser	Gln	Gly	Pro	560	565	570
Ala	Ser	His	Arg	Pro	Phe	Gln	His	Gly	Gln	Gly	Leu	Asp	Arg	Pro	575	580	585
Tyr	Pro	Gly	Pro	Leu	Val	Tyr	Ser	Thr	Gly	Lys	Asn	Gly	Ser	Ser	590	595	600

Pro Ser Ser Gly Phe Leu Leu Gly Leu Phe Cys
 605 610

<210> 19
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510367CD1

<400> 19
 Met Thr Gly Gln Gly Gln Ser Ala Ser Gly Ser Ser Ala Trp Ser
 1 5 10 15
 Thr Val Phe Arg His Val Arg Tyr Glu Asn Leu Ile Ala Gly Val
 20 25 30
 Ser Gly Gly Val Leu Ser Asn Leu Ala Leu His Pro Leu Asp Leu
 35 40 45
 Val Lys Ile Arg Phe Ala Gly Thr Ile Leu
 50 55

<210> 20
 <211> 287
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510413CD1

<400> 20
 Met Asp Met Ala Trp Gln Met Met Gln Leu Leu Leu Leu Ala Leu
 1 5 10 15
 Val Thr Ala Ala Gly Ser Ala Gln Pro Arg Ser Ala Arg Ala Arg
 20 25 30
 Thr Asp Leu Leu Asn Val Cys Met Asn Ala Lys His His Lys Thr
 35 40 45
 Gln Pro Ser Pro Glu Asp Glu Leu Tyr Gly Gln Val Gly Ala Pro
 50 55 60
 Gln Gly Pro Ser Pro Gly Ser Val Pro Leu Asp Asp Leu Pro Gly
 65 70 75
 Ala Glu Glu Pro Glu Tyr Gly Gly Asp Gly Cys Gly Gly Glu Arg
 80 85 90
 Leu Ser Pro Val Ser Ser Pro Pro Ser Ala Val Pro Gly Arg Arg
 95 100 105
 Met Pro Ala Ala Arg Pro Ala Pro Ala Arg Ser Cys Thr Arg Thr
 110 115 120
 Pro Pro Ala Cys Thr Thr Leu Thr Gly Ile Thr Val Val Arg Trp
 125 130 135
 Asn Pro Pro Ala Ser Ala Thr Leu Ser Arg Thr Ala Val Ser Glu
 140 145 150
 Cys Ser Pro Asn Leu Gly Pro Trp Ile Arg Gln Val Asn Gln Ser
 155 160 165
 Trp Arg Lys Glu Arg Ile Leu Asn Val Pro Leu Cys Lys Glu Asp
 170 175 180

Cys	Glu	Arg	Trp	Trp	Glu	Asp	Cys	Arg	Thr	Ser	Tyr	Thr	Cys	Lys
				185					190					195
Ser	Asn	Trp	His	Lys	Gly	Trp	Asn	Trp	Thr	Ser	Gly	Ile	Asn	Glu
				200					205					210
Cys	Pro	Ala	Gly	Ala	Leu	Cys	Ser	Thr	Phe	Glu	Ser	Tyr	Phe	Pro
				215					220					225
Thr	Pro	Ala	Ala	Leu	Cys	Glu	Gly	Leu	Trp	Ser	His	Ser	Phe	Lys
				230					235					240
Val	Ser	Asn	Tyr	Ser	Arg	Gly	Ser	Gly	Arg	Cys	Ile	Gln	Met	Trp
				245					250					255
Phe	Asp	Ser	Ala	Gln	Gly	Asn	Pro	Asn	Glu	Glu	Val	Ala	Lys	Phe
				260					265					270
Tyr	Ala	Ala	Ala	Met	Asn	Ala	Gly	Ala	Pro	Ser	Arg	Gly	Ile	Ile
				275					280					285

Asp Ser

<210> 21
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1721303CD1

Met	Ala	Ser	Val	Gly	Glu	Cys	Pro	Ala	Pro	Val	Pro	Val	Lys	Asp
1				5					10					15
Lys	Lys	Leu	Leu	Glu	Val	Lys	Leu	Gly	Glu	Leu	Pro	Ser	Trp	Ile
				20					25					30
Leu	Met	Arg	Asp	Phe	Ser	Pro	Ser	Gly	Ile	Phe	Gly	Ala	Phe	Gln
				35					40					45
Arg	Glu	His	Glu	Arg	Leu	Arg	Lys	Tyr	His					
				50					55					

<210> 22
 <211> 272
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7502007CD1

Met	Gly	Ser	Gly	His	Cys	Leu	Arg	Ser	Thr	Arg	Gly	Ser	Lys	Met
1				5					10					15
Val	Ser	Trp	Ser	Val	Ile	Ala	Lys	Ile	Gln	Glu	Ile	Leu	Gln	Arg
				20					25					30
Lys	Met	Val	Arg	Glu	Phe	Leu	Ala	Glu	Phe	Met	Ser	Thr	Tyr	Val
				35					40					45
Met	Met	Val	Phe	Gly	Leu	Gly	Ser	Val	Ala	His	Met	Val	Leu	Asn
				50					55					60
Lys	Lys	Tyr	Gly	Ser	Tyr	Leu	Gly	Val	Asn	Leu	Gly	Phe	Gly	Phe
				65					70					75

Gly Val Thr Met	Gly Val His Val Ala	Gly Arg Ile Ser Gly Ala	
	80	85	90
His Met Asn Ala	Ala Val Thr Phe Ala	Asn Cys Ala Leu Gly Arg	
	95	100	105
Val Pro Trp Arg	Lys Phe Pro Val Tyr	Val Leu Gly Gln Phe Leu	
	110	115	120
Gly Ser Phe Leu	Ala Ala Ala Thr Ile	Tyr Ser Leu Phe Tyr Thr	
	125	130	135
Ala Ile Leu His	Phe Ser Gly Gly Gln	Leu Met Val Thr Gly Pro	
	140	145	150
Val Ala Thr Ala	Gly Ile Phe Ala Thr	Tyr Leu Pro Asp His Met	
	155	160	165
Thr Leu Trp Arg	Gly Phe Leu Asn Glu	Ala Trp Leu Thr Gly Met	
	170	175	180
Leu Gln Leu Cys	Leu Phe Ala Ile Thr	Asp Gln Glu Asn Asn Pro	
	185	190	195
Ala Leu Pro Gly	Thr Glu Ala Leu Val	Ile Gly Ile Leu Val Val	
	200	205	210
Ile Ile Gly Val	Ser Leu Gly Met Asn	Thr Gly Tyr Ala Ile Asn	
	215	220	225
Pro Ser Arg Asp	Leu Pro Pro Arg Ile	Phe Thr Phe Ile Ala Gly	
	230	235	240
Trp Gly Lys Gln	Val Phe Arg Trp His	His Leu Pro Gly Leu His	
	245	250	255
Trp Leu His His	Pro Thr Gly Ala Pro	Glu Ile Gly Gly Phe Cys	
	260	265	270

Gly Val

<210> 23

<211> 188

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506439CD1

<400> 23

Met Leu Gly Lys	Leu Ala Met Leu Leu	Trp Val Gln Gln Ala Leu	
1	5	10	15
Leu Ala Leu Leu	Leu Pro Thr Leu Leu	Ala Gln Gly Glu Ala Arg	
	20	25	30
Arg Ser Arg Asn	Thr Thr Arg Pro Ala	Leu Leu Arg Leu Ser Asp	
	35	40	45
Tyr Leu Leu Thr	Asn Tyr Arg Lys Gly	Val Arg Pro Val Arg Asp	
	50	55	60
Trp Arg Lys Pro	Thr Thr Val Ser Ile	Asp Val Ile Val Tyr Ala	
	65	70	75
Ile Leu Asn Val	Asp Glu Lys Asn Gln	Val Leu Thr Thr Tyr Ile	
	80	85	90
Trp Tyr Arg Gln	Tyr Trp Thr Asp Glu	Phe Leu Gln Trp Asn Pro	
	95	100	105
Glu Asp Phe Asp	Asn Ile Thr Lys Leu	Ser Ile Pro Thr Asp Ser	
	110	115	120
Ile Trp Val Pro	Asp Ile Leu Ile Asn	Glu Phe Val Asp Val Gly	

	125		130		135
Lys Ser Pro Asn Ile Pro Tyr Val Tyr Ile Arg His Gln His Leu					
	140		145		150
Phe Val Ala Leu Ala Arg Lys Gly Glu Ile Arg Gln Glu Cys Leu					
	155		160		165
His Glu Pro Gly Arg Val Gly Val Ala Gly Gly Ala Ala Leu Leu					
	170		175		180
Ser Gly Val Gln His Gly Lys Gln					
	185				

<210> 24

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509243CD1

<400> 24

Met Pro Ser Ala Gly Leu Cys Ser Cys Trp Gly Gly Arg Val Leu			
1 5 10 15			
Pro Leu Leu Leu Ala Tyr Val Cys Tyr Leu Leu Gly Ala Thr			
20 25 30			
Ile Phe Gln Leu Leu Glu Arg Gln Ala Glu Ala Gln Ser Arg Asp			
35 40 45			
Gln Phe Gln Leu Glu Lys Leu Arg Phe Leu Glu Asn Tyr Thr Cys			
50 55 60			
Leu Asp Gln Trp Ala Met Glu Gln Phe Val Gln Val Ile Met Glu			
65 70 75			
Ala Trp Val Lys Gly Val Asn Pro Lys Gly Asn Ser Thr Asn Pro			
80 85 90			
Ser Asn Trp Asp Phe Gly Ser Ser Phe Phe Phe Ala Gly Thr Val			
95 100 105			
Val Thr Thr Ile Gly His			
110			

<210> 25

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509404CD1

<400> 25

Met Lys Phe Leu Leu Thr Thr Ala Phe Leu Ile Leu Ile Ser Leu			
1 5 10 15			
Trp Val Glu Glu Ala Tyr Ser Lys Glu Lys Ser Ser Lys Lys Gly			
20 25 30			
Lys Gly Lys Lys Lys Gln Tyr Leu Cys Pro Ser Glu Arg Leu Tyr			
35 40 45			
His			

<210> 26
 <211> 204
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7509439CD1

<400> 26
 Met Phe Ser Arg Ala Gly Val Ala Gly Leu Ser Ala Trp Thr Leu
 1 5 10 15
 Gln Pro Gln Trp Ile Gln Val Arg Asn Met Ala Thr Leu Lys Asp
 20 25 30
 Ile Thr Arg Arg Leu Lys Ser Ile Lys Asn Ile Gln Lys Ile Thr
 35 40 45
 Lys Ser Met Lys Met Val Ala Ala Ala Lys Tyr Ala Arg Ala Glu
 50 55 60
 Arg Glu Leu Lys Pro Ala Arg Ile Tyr Gly Leu Gly Ser Leu Ala
 65 70 75
 Leu Tyr Glu Lys Ala Asp Ile Lys Gly Pro Glu Asp Lys Lys Lys
 80 85 90
 His Leu Leu Ile Gly Val Ser Ser Asp Arg Gly Leu Cys Gly Ala
 95 100 105
 Ile His Ser Ser Ile Ala Lys Gln Met Lys Ser Glu Val Ala Thr
 110 115 120
 Leu Thr Ala Ala Gly Lys Glu Val Met Leu Val Gly Ile Gly Asp
 125 130 135
 Lys Ile Arg Gly Ile Leu Tyr Ser Ser Leu Gln Val Leu Lys Glu
 140 145 150
 Arg Asn Asp Asp Ser Val Trp Asn Asn Ser Gly Asn His His His
 155 160 165
 Pro Tyr Pro Lys Asp Leu Ile His Gly Leu Ile Leu Thr Ser Phe
 170 175 180
 Trp Trp His Ser Lys Lys Trp Glu Glu Ser Pro Pro Leu Leu Glu
 185 190 195
 Met Arg Gln Ser Leu Pro Leu Asn Tyr
 200

<210> 27
 <211> 1400
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510202CD1

<400> 27
 Met Ser Lys Arg Arg Met Ser Val Gly Gln Gln Thr Trp Ala Leu
 1 5 10 15
 Leu Cys Lys Asn Cys Leu Lys Lys Trp Arg Met Lys Arg Gln Thr
 20 25 30
 Leu Leu Glu Trp Leu Phe Ser Phe Leu Leu Val Leu Phe Leu Tyr
 35 40 45
 Leu Phe Phe Ser Asn Leu His Gln Val His Asp Thr Pro Gln Met

	50		55		60
Ser Ser Met Asp	Leu Gly Arg Val Asp	Ser Phe Asn Asp Thr	Asn		
	65		70		75
Tyr Val Ile Ala	Phe Ala Pro Glu Ser	Lys Thr Thr Gln Glu	Ile		
	80		85		90
Met Asn Lys Val	Ala Ser Ala Pro Phe	Leu Lys Gly Arg Thr	Ile		
	95		100		105
Met Gly Trp Pro	Asp Glu Lys Ser Met	Asp Glu Leu Asp Leu	Asn		
	110		115		120
Tyr Ser Ile Asp	Ala Val Arg Val Ile	Phe Thr Asp Thr Phe	Ser		
	125		130		135
Tyr His Leu Lys	Phe Ser Trp Gly His	Arg Ile Pro Met Met	Lys		
	140		145		150
Glu His Arg Asp	His Ser Ala His Cys	Gln Ala Val Asn Glu	Lys		
	155		160		165
Met Lys Cys Glu	Gly Ser Glu Phe Trp	Glu Lys Gly Phe Val	Ala		
	170		175		180
Phe Gln Ala Ala	Ile Asn Ala Ala Ile	Ile Glu Ile Ala Thr	Asn		
	185		190		195
His Ser Val Met	Glu Gln Leu Met Ser	Val Thr Gly Val His	Met		
	200		205		210
Lys Ile Leu Pro	Phe Val Ala Gln Gly	Gly Val Ala Thr Asp	Phe		
	215		220		225
Phe Ile Phe Phe	Cys Ile Ile Ser Phe	Ser Thr Phe Ile Tyr	Tyr		
	230		235		240
Val Ser Val Asn	Val Thr Gln Glu Arg	Gln Tyr Ile Thr Ser	Leu		
	245		250		255
Met Thr Met Met	Gly Leu Arg Glu Ser	Ala Phe Trp Leu Ser	Trp		
	260		265		270
Gly Leu Met Tyr	Ala Gly Phe Ile Leu	Ile Met Ala Thr Leu	Met		
	275		280		285
Ala Leu Ile Val	Lys Ser Ala Gln Ile	Val Val Leu Thr Gly	Phe		
	290		295		300
Val Met Val Phe	Thr Leu Phe Leu Leu	Tyr Gly Leu Ser Leu	Ile		
	305		310		315
Thr Leu Ala Phe	Leu Met Ser Val Leu	Ile Lys Lys Pro Phe	Leu		
	320		325		330
Thr Gly Leu Val	Val Phe Leu Leu Ile	Val Phe Trp Gly Ile	Leu		
	335		340		345
Gly Phe Pro Ala	Leu Tyr Thr His Leu	Pro Ala Phe Leu Glu	Trp		
	350		355		360
Thr Leu Cys Leu	Leu Ser Pro Phe Ala	Phe Thr Val Gly Met	Ala		
	365		370		375
Gln Leu Ile His	Leu Asp Tyr Asp Val	Asn Ser Asn Ala His	Leu		
	380		385		390
Asp Ser Ser Gln	Asn Pro Tyr Leu Ile	Ile Ala Thr Leu Phe	Met		
	395		400		405
Leu Val Phe Asp	Thr Leu Leu Tyr Leu	Val Leu Thr Leu Tyr	Phe		
	410		415		420
Asp Lys Ile Leu	Pro Ala Glu Tyr Gly	His Arg Cys Ser Pro	Leu		
	425		430		435
Phe Phe Leu Lys	Ser Cys Phe Trp Phe	Gln His Gly Arg Ala	Asn		
	440		445		450
His Val Val Leu	Glu Asn Glu Thr Asp	Ser Asp Pro Thr Pro	Asn		
	455		460		465
Asp Cys Phe Glu	Pro Val Ser Pro Glu	Phe Cys Gly Lys Glu	Ala		

	470		475		480
Ile Arg Ile Lys Asn Leu Lys Lys Glu Tyr Ala Gly Lys Cys Glu					
	485		490		495
Arg Val Glu Ala Leu Lys Gly Val Val Phe Asp Ile Tyr Glu Gly					
	500		505		510
Gln Ile Thr Ala Leu Leu Gly His Ser Gly Ala Gly Lys Thr Thr					
	515		520		525
Leu Leu Asn Ile Leu Ser Gly Leu Ser Val Pro Thr Ser Gly Ser					
	530		535		540
Val Thr Val Tyr Asn His Thr Leu Ser Arg Met Ala Asp Ile Glu					
	545		550		555
Asn Ile Ser Lys Phe Thr Gly Phe Cys Pro Gln Ser Asn Val Gln					
	560		565		570
Phe Gly Phe Leu Thr Val Lys Glu Asn Leu Arg Leu Phe Ala Lys					
	575		580		585
Ile Lys Gly Ile Leu Pro His Glu Val Glu Lys Glu Val Leu Leu					
	590		595		600
Leu Asp Glu Pro Thr Ala Gly Leu Asp Pro Leu Ser Arg His Arg					
	605		610		615
Ile Trp Asn Leu Leu Lys Glu Gly Lys Ser Asp Arg Val Ile Leu					
	620		625		630
Phe Ser Thr Gln Phe Ile Asp Glu Ala Asp Ile Leu Ala Asp Arg					
	635		640		645
Lys Val Phe Ile Ser Asn Gly Lys Leu Lys Cys Ala Gly Ser Ser					
	650		655		660
Leu Phe Leu Lys Lys Lys Trp Gly Ile Gly Tyr His Leu Ser Leu					
	665		670		675
His Leu Asn Glu Arg Cys Asp Pro Glu Ser Ile Thr Ser Leu Val					
	680		685		690
Lys Gln His Ile Ser Asp Ala Lys Leu Thr Ala Gln Ser Glu Glu					
	695		700		705
Lys Leu Val Tyr Ile Leu Pro Leu Glu Arg Thr Asn Lys Phe Pro					
	710		715		720
Glu Leu Tyr Arg Asp Leu Asp Arg Cys Ser Asn Gln Gly Ile Glu					
	725		730		735
Asp Tyr Gly Val Ser Ile Thr Thr Leu Asn Glu Val Phe Leu Lys					
	740		745		750
Leu Glu Gly Lys Ser Thr Ile Asp Glu Ser Asp Ile Gly Ile Trp					
	755		760		765
Gly Gln Leu Gln Thr Asp Gly Ala Lys Asp Ile Gly Ser Leu Val					
	770		775		780
Glu Leu Glu Gln Val Leu Ser Ser Phe His Glu Thr Arg Lys Thr					
	785		790		795
Ile Ser Gly Val Ala Leu Trp Arg Gln Gln Val Cys Ala Ile Ala					
	800		805		810
Lys Val Arg Phe Leu Lys Leu Lys Lys Glu Arg Lys Ser Leu Trp					
	815		820		825
Thr Ile Leu Leu Leu Phe Gly Ile Ser Phe Ile Pro Gln Leu Leu					
	830		835		840
Glu His Leu Phe Tyr Glu Ser Tyr Gln Lys Ser Tyr Pro Trp Glu					
	845		850		855
Leu Ser Pro Asn Thr Tyr Phe Leu Ser Pro Gly Gln Gln Pro Gln					
	860		865		870
Asp Pro Leu Thr His Leu Leu Val Ile Asn Lys Thr Gly Ser Thr					
	875		880		885
Ile Asp Asn Phe Leu His Ser Leu Arg Arg Gln Asn Ile Ala Ile					

				890					895				900	
Glu	Val	Asp	Ala	Phe	Gly	Thr	Arg	Asn	Gly	Thr	Asp	Asp	Pro	Ser
				905					910					915
Tyr	Asn	Gly	Ala	Ile	Ile	Val	Ser	Gly	Asp	Glu	Lys	Asp	His	Arg
				920					925					930
Phe	Ser	Ile	Ala	Cys	Asn	Thr	Lys	Arg	Leu	Asn	Cys	Phe	Pro	Val
				935					940					945
Leu	Leu	Asp	Val	Ile	Ser	Asn	Gly	Leu	Leu	Gly	Ile	Phe	Asn	Ser
				950					955					960
Ser	Glu	His	Ile	Gln	Thr	Asp	Arg	Ser	Thr	Phe	Phe	Glu	Glu	His
				965					970					975
Met	Asp	Tyr	Glu	Tyr	Gly	Tyr	Arg	Ser	Asn	Thr	Phe	Phe	Trp	Ile
				980					985					990
Pro	Met	Ala	Ala	Ser	Phe	Thr	Pro	Tyr	Ile	Ala	Met	Ser	Ser	Ile
				995					1000					1005
Gly	Asp	Tyr	Lys	Lys	Lys	Ala	His	Ser	Gln	Leu	Arg	Ile	Ser	Gly
				1010					1015					1020
Leu	Tyr	Pro	Ser	Ala	Tyr	Trp	Phe	Gly	Gln	Ala	Leu	Val	Asp	Val
				1025					1030					1035
Ser	Leu	Tyr	Phe	Leu	Ile	Leu	Leu	Leu	Met	Gln	Ile	Met	Asp	Tyr
				1040					1045					1050
Ile	Phe	Ser	Pro	Glu	Glu	Ile	Ile	Phe	Ile	Ile	Gln	Asn	Leu	Leu
				1055					1060					1065
Ile	Gln	Ile	Leu	Cys	Ser	Ile	Gly	Tyr	Val	Ser	Ser	Pro	Val	Phe
				1070					1075					1080
Leu	Thr	Tyr	Val	Ile	Ser	Phe	Ile	Phe	Arg	Asn	Gly	Arg	Lys	Asn
				1085					1090					1095
Ser	Gly	Ile	Trp	Ser	Phe	Phe	Phe	Leu	Ile	Val	Val	Ile	Phe	Ser
				1100					1105					1110
Ile	Val	Ala	Thr	Asp	Leu	Asn	Glu	Tyr	Gly	Phe	Leu	Gly	Leu	Phe
				1115					1120					1125
Phe	Gly	Thr	Met	Leu	Ile	Pro	Pro	Phe	Thr	Leu	Ile	Gly	Ser	Leu
				1130					1135					1140
Phe	Ile	Phe	Ser	Glu	Ile	Ser	Pro	Asp	Ser	Met	Asp	Tyr	Leu	Gly
				1145					1150					1155
Ala	Ser	Glu	Ser	Glu	Ile	Val	Tyr	Leu	Ala	Leu	Leu	Ile	Pro	Tyr
				1160					1165					1170
Leu	His	Phe	Leu	Ile	Phe	Leu	Phe	Ile	Leu	Arg	Cys	Leu	Glu	Met
				1175					1180					1185
Asn	Cys	Arg	Lys	Lys	Leu	Met	Arg	Lys	Asp	Pro	Val	Phe	Arg	Ile
				1190					1195					1200
Ser	Pro	Arg	Ser	Asn	Ala	Ile	Phe	Pro	Asn	Pro	Glu	Glu	Pro	Glu
				1205					1210					1215
Gly	Glu	Glu	Glu	Asp	Ile	Gln	Met	Glu	Arg	Met	Arg	Thr	Val	Asn
				1220					1225					1230
Ala	Met	Ala	Val	Arg	Asp	Phe	Asp	Glu	Thr	Pro	Val	Ile	Ile	Ala
				1235					1240					1245
Ser	Cys	Leu	Arg	Lys	Glu	Tyr	Ala	Gly	Lys	Lys	Lys	Asn	Cys	Phe
				1250					1255					1260
Ser	Lys	Arg	Lys	Lys	Thr	Ile	Ala	Thr	Arg	Asn	Val	Ser	Phe	Cys
				1265					1270					1275
Val	Lys	Lys	Gly	Glu	Val	Ile	Gly	Leu	Leu	Gly	His	Asn	Gly	Ala
				1280					1285					1290
Gly	Lys	Ser	Thr	Thr	Ile	Lys	Met	Ile	Thr	Gly	Asp	Thr	Lys	Pro
				1295					1300					1305
Thr	Ala	Gly	Gln	Val	Ile	Leu	Lys	Gly	Ser	Gly	Gly	Gly	Glu	Pro

1310	1315	1320
Leu Gly Phe Leu Gly Tyr Cys Pro Gln Glu Asn Ala Leu Trp Pro		
1325	1330	1335
Asn Leu Thr Val Arg Gln His Leu Glu Val Tyr Ala Ala Val Lys		
1340	1345	1350
Gly Leu Arg Lys Gly Asp Ala Met Ile Ala Ile Thr Arg Leu Val		
1355	1360	1365
Asp Ala Leu Lys Leu Gln Asp Gln Leu Lys Ala Pro Val Lys Thr		
1370	1375	1380
Leu Ser Glu Gly Ile Lys Arg Lys Val Arg Ala Gly Leu Val Val		
1385	1390	1395
Ala Leu Gln Val Pro		
1400		

<210> 28

<211> 438

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510203CD1

<400> 28

Met Gln Ala Thr Arg Asn Ala Ala Asp Trp Trp Leu Ser His Trp		
1 5 10 15		
Ile Ser Gln Leu Lys Ala Glu Asn Ser Ser Gln Glu Ala Gln Pro		
20 25 30		
Ser Thr Ser Pro Ala Ser Met Gly Leu Phe Ser Pro Gln Leu Leu		
35 40 45		
Leu Phe Ser Pro Gly Asn Leu Tyr Ile Pro Val Phe Pro Leu Pro		
50 55 60		
Lys Ala Ala Pro Asn Gly Ser Ser Asp Ile Arg Phe Tyr Leu Thr		
65 70 75		
Val Tyr Ala Thr Ile Ala Gly Val Asn Ser Leu Cys Thr Leu Leu		
80 85 90		
Arg Ala Val Leu Phe Ala Ala Gly Thr Leu Gln Ala Ala Ala Thr		
95 100 105		
Leu His Arg Arg Leu Leu His Arg Val Leu Met Ala Pro Val Thr		
110 115 120		
Phe Phe Asn Ala Thr Pro Thr Gly Arg Ile Leu Asn Arg Phe Ser		
125 130 135		
Ser Asp Val Ala Cys Ala Asp Asp Ser Leu Pro Phe Ile Leu Asn		
140 145 150		
Ile Leu Leu Ala Asn Ala Ala Gly Leu Leu Gly Leu Leu Ala Val		
155 160 165		
Leu Gly Ser Gly Leu Pro Trp Leu Leu Leu Leu Pro Pro Leu		
170 175 180		
Ser Ile Met Tyr Tyr His Val Gln Arg His Tyr Arg Ala Ser Ser		
185 190 195		
Arg Glu Leu Arg Arg Leu Gly Ser Leu Thr Leu Ser Pro Leu Tyr		
200 205 210		
Ser His Leu Ala Asp Thr Leu Ala Gly Leu Ser Val Leu Arg Ala		
215 220 225		
Thr Gly Ala Thr Tyr Arg Phe Glu Glu Glu Asn Leu Arg Leu Leu		
230 235 240		

Glu	Leu	Asn	Gln	Arg	Cys	Gln	Phe	Ala	Thr	Ser	Ala	Thr	Met	Gln
				245					250					255
Trp	Leu	Asp	Ile	Arg	Leu	Gln	Leu	Met	Gly	Ala	Ala	Val	Val	Ser
				260					265					270
Ala	Ile	Ala	Gly	Ile	Ala	Leu	Val	Gln	His	Gln	Gln	Gly	Leu	Ala
				275					280					285
Asn	Pro	Gly	Leu	Val	Gly	Leu	Ser	Leu	Ser	Tyr	Ala	Leu	Ser	Leu
				290					295					300
Thr	Gly	Leu	Leu	Ser	Gly	Leu	Val	Ser	Ser	Phe	Thr	Gln	Thr	Glu
				305					310					315
Ala	Met	Leu	Val	Ser	Val	Glu	Arg	Leu	Glu	Glu	Tyr	Thr	Cys	Asp
				320					325					330
Leu	Pro	Gln	Glu	Pro	Gln	Gly	Gln	Pro	Leu	Gln	Val	Gly	Leu	Tyr
				335					340					345
Pro	His	Pro	Arg	Pro	Lys	Leu	Trp	Asn	Pro	Glu	Gly	Pro	Ser	Leu
				350					355					360
Pro	His	Asn	Ser	Phe	Leu	Phe	Ala	His	Pro	Ser	Phe	Ser	Ala	Pro
				365					370					375
Ile	Thr	Ser	Leu	His	Asp	Asp	His	Asn	Ser	Ser	Pro	Cys	Pro	Phe
				380					385					390
Phe	Pro	Ile	Ser	His	Ser	Leu	Ile	Pro	Leu	Thr	Leu	Ser	Ile	Ser
				395					400					405
His	Tyr	Ser	Pro	Leu	Leu	Thr	Ile	Ala	Pro	His	Leu	Pro	Tyr	Leu
				410					415					420
Pro	Phe	Pro	Val	Cys	Leu	Pro	Pro	Met	Asp	Pro	Thr	Ser	Trp	Ala
				425					430					435
Pro	Ala	Gly												

<210> 29

<211> 871

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510208CD1

<400> 29

Met	Gly	Phe	Leu	His	Gln	Leu	Gln	Leu	Leu	Leu	Trp	Lys	Asn	Val
1				5					10					15
Thr	Leu	Lys	Arg	Arg	Ser	Pro	Trp	Val	Leu	Ala	Phe	Glu	Ile	Phe
				20					25					30
Ile	Pro	Leu	Val	Leu	Phe	Phe	Ile	Leu	Leu	Gly	Leu	Arg	Gln	Lys
				35					40					45
Lys	Pro	Thr	Ile	Ser	Val	Lys	Glu	Val	Ser	Phe	Tyr	Thr	Ala	Ala
				50					55					60
Pro	Leu	Thr	Ser	Ala	Gly	Ile	Leu	Pro	Val	Met	Gln	Ser	Leu	Cys
				65					70					75
Pro	Asp	Gly	Gln	Arg	Asp	Glu	Phe	Gly	Phe	Leu	Gln	Tyr	Ala	Asn
				80					85					90
Ser	Thr	Val	Thr	Gln	Leu	Leu	Glu	Arg	Leu	Asp	Arg	Val	Val	Glu
				95					100					105
Glu	Gly	Asn	Leu	Phe	Asp	Pro	Ala	Arg	Pro	Ser	Leu	Gly	Ser	Glu
				110					115					120
Leu	Glu	Ala	Leu	Arg	Gln	His	Leu	Glu	Ala	Leu	Ser	Ala	Gly	Pro

	125		130		135
Gly Thr Ser Gly	Ser His Leu Asp Arg	Ser Thr Val Ser Ser	Phe		
	140		145		150
Ser Leu Asp Ser	Val Ala Arg Asn Pro	Gln Glu Leu Trp Arg	Phe		
	155		160		165
Leu Thr Gln Asn	Leu Ser Leu Pro Asn	Ser Thr Ala Gln Ala	Leu		
	170		175		180
Leu Ala Ala Arg	Val Asp Pro Pro Glu	Val Tyr His Leu Leu	Phe		
	185		190		195
Gly Pro Ser Ser	Ala Leu Asp Ser Gln	Ser Gly Leu His Lys	Gly		
	200		205		210
Gln Glu Pro Trp	Ser Arg Leu Gly Gly	Asn Pro Leu Phe Arg	Met		
	215		220		225
Glu Glu Leu Leu	Leu Ala Pro Ala Leu	Leu Glu Gln Leu Thr	Cys		
	230		235		240
Thr Pro Gly Ser	Gly Glu Leu Gly Arg	Ile Leu Thr Val Pro	Glu		
	245		250		255
Ser Gln Lys Gly	Ala Leu Gln Gly Tyr	Arg Asp Ala Val Cys	Ser		
	260		265		270
Gly Gln Ala Ala	Ala Arg Ala Arg Arg	Phe Ser Gly Leu Ser	Ala		
	275		280		285
Glu Leu Arg Asn	Gln Leu Asp Val Ala	Lys Val Ser Gln Gln	Leu		
	290		295		300
Gly Leu Asp Ala	Pro Asn Gly Ser Asp	Ser Ser Pro Gln Ala	Pro		
	305		310		315
Pro Pro Arg Arg	Leu Gln Ala Leu Leu	Gly Asp Leu Leu Asp	Ala		
	320		325		330
Gln Lys Val Leu	Gln Asp Val Asp Val	Leu Ser Ala Leu Ala	Leu		
	335		340		345
Leu Leu Pro Gln	Gly Ala Cys Thr Gly	Arg Thr Pro Gly Pro	Pro		
	350		355		360
Ala Ser Gly Ala	Gly Gly Ala Ala Asn	Gly Thr Gly Ala Gly	Ala		
	365		370		375
Val Met Gly Pro	Asn Ala Thr Ala Glu	Glu Gly Ala Pro Ser	Ala		
	380		385		390
Ala Ala Leu Ala	Thr Pro Asp Thr Leu	Gln Gly Gln Cys Ser	Ala		
	395		400		405
Phe Val Gln Leu	Trp Ala Gly Leu Gln	Pro Ile Leu Cys Gly	Asn		
	410		415		420
Asn Arg Thr Ile	Glu Pro Glu Ala Leu	Arg Arg Gly Asn Met	Ser		
	425		430		435
Ser Leu Gly Phe	Thr Ser Lys Glu Gln	Arg Asn Leu Gly Leu	Leu		
	440		445		450
Val His Leu Met	Thr Ser Asn Pro Lys	Ile Leu Tyr Ala Pro	Ala		
	455		460		465
Gly Ser Glu Val	Asp Arg Val Ile Leu	Lys Ala Asn Glu Thr	Phe		
	470		475		480
Ala Phe Val Gly	Asn Val Thr His Tyr	Ala Gln Val Trp Leu	Asn		
	485		490		495
Ile Ser Ala Glu	Ile Arg Ser Phe Leu	Glu Gln Gly Arg Leu	Gln		
	500		505		510
Gln His Leu Arg	Trp Leu Gln Gln Tyr	Val Ala Glu Leu Arg	Leu		
	515		520		525
His Pro Glu Ala	Leu Asn Leu Ser Leu	Asp Glu Leu Pro Pro	Ala		
	530		535		540
Leu Arg Gln Asp	Asn Phe Ser Leu Pro	Ser Gly Met Ala Leu	Leu		

	545		550		555
Gln Gln Leu Asp Thr Ile Asp Asn Ala		Ala Cys Gly Trp Ile Gln			
	560		565		570
Phe Met Ser Lys Val Ser Val Asp Ile		Phe Lys Gly Phe Pro Asp			
	575		580		585
Glu Glu Ser Ile Val Asn Tyr Thr Leu		Asn Gln Ala Tyr Gln Asp			
	590		595		600
Asn Val Thr Val Phe Ala Ser Val Ile		Phe Gln Thr Arg Lys Asp			
	605		610		615
Gly Ser Leu Pro Pro His Val His Tyr		Lys Ile Arg Gln Asn Ser			
	620		625		630
Ser Phe Thr Glu Lys Thr Asn Glu Ile		Arg Arg Ala Tyr Trp Arg			
	635		640		645
Pro Gly Pro Asn Thr Gly Gly Arg Phe		Tyr Phe Leu Tyr Gly Phe			
	650		655		660
Val Trp Ile Gln Asp Met Met Glu Arg		Ala Ile Ile Asp Thr Phe			
	665		670		675
Val Gly His Asp Val Val Glu Pro Gly		Ser Tyr Val Gln Met Phe			
	680		685		690
Pro Tyr Pro Cys Tyr Thr Arg Asp Asp		Phe Leu Phe Val Ile Glu			
	695		700		705
His Met Met Pro Leu Cys Met Val Ile		Ser Trp Val Tyr Ser Val			
	710		715		720
Ala Met Thr Ile Gln His Ile Val Ala		Glu Lys Glu His Arg Leu			
	725		730		735
Lys Glu Val Arg Gly Pro Gly Leu Ser		Leu Glu Ala Arg Ala Gly			
	740		745		750
Arg Glu Gly Arg Arg Pro Pro Arg Gly		Leu Pro Gln Ala Pro Gly			
	755		760		765
Pro Pro Ala Gly Asp Glu Asp His Gly		Pro Glu Gln Arg Gly Ala			
	770		775		780
Leu Gly Gly Leu Val His His Arg Leu		Cys Ala Ala Val His Leu			
	785		790		795
Arg Asp Ser Thr His Arg His Pro Glu		Val Arg Pro Gly Ala Tyr			
	800		805		810
Ala Gln Pro Arg Gly His His Leu Ala		Leu Pro Gly Ser Leu Arg			
	815		820		825
Gly Gly His His His Val Leu Leu Pro		Gly Val Cys Ala Val Leu			
	830		835		840
Gln Gly Gln Ala Gly Leu Gly Leu Arg		Trp His His Leu Leu Pro			
	845		850		855
Glu Leu Arg Ala Leu His Val Arg Gly		Asp Pro Arg Gly Gly Gly			
	860		865		870
Ala					

<210> 30

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510446CD1

<400> 30

Met	Glu	Gln	Ser	Arg	Ser	Gln	Gln	Arg	Gly	Gly	Glu	Gln	Ser	Trp
1				5					10					15
Trp	Gly	Ser	Asp	Pro	Gln	Tyr	Gln	Tyr	Met	Pro	Phe	Glu	His	Cys
				20					25					30
Thr	Ser	Tyr	Gly	Leu	Pro	Ser	Glu	Asn	Gly	Gly	Leu	Gln	His	Arg
				35					40					45
Leu	Arg	Lys	Asp	Ala	Gly	Pro	Arg	His	Asn	Val	His	Pro	Thr	Gln
				50					55					60
Ile	Tyr	Gly	His	His	Lys	Glu	Gln	Phe	Ser	Asp	Arg	Glu	Gln	Asp
				65					70					75
Ile	Gly	Met	Pro	Lys	Lys	Thr	Gly	Ser	Ser	Ser	Thr	Val	Asp	Ser
				80					85					90
Lys	Asp	Glu	Asp	His	Tyr	Ser	Lys	Cys	Gln	Gly	Asp	Gly	Asp	
				95					100					

<210> 31

<211> 336

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505294CD1

<400> 31

Met	Ala	Ser	Asp	Pro	Ile	Phe	Thr	Leu	Ala	Pro	Pro	Leu	His	Cys
1				5					10					15
His	Tyr	Gly	Ala	Phe	Pro	Pro	Asn	Ala	Ser	Gly	Trp	Glu	Gln	Pro
				20					25					30
Pro	Asn	Ala	Ser	Gly	Val	Ser	Val	Ala	Ser	Ala	Ala	Leu	Ala	Ala
				35					40					45
Ser	Ala	Ala	Ser	Arg	Val	Ala	Thr	Ser	Thr	Asp	Pro	Ser	Cys	Ser
				50					55					60
Gly	Phe	Ala	Pro	Pro	Asp	Phe	Asn	His	Cys	Leu	Lys	Asp	Trp	Asp
				65					70					75
Tyr	Asn	Gly	Leu	Pro	Val	Leu	Thr	Thr	Asn	Ala	Ile	Gly	Gln	Trp
				80					85					90
Asp	Leu	Val	Cys	Asp	Leu	Gly	Trp	Gln	Val	Ile	Leu	Glu	Gln	Ile
				95					100					105
Leu	Phe	Ile	Leu	Gly	Phe	Ala	Ser	Gly	Tyr	Leu	Phe	Leu	Gly	Tyr
				110					115					120
Pro	Ala	Asp	Arg	Phe	Gly	Arg	Arg	Gly	Ile	Val	Leu	Leu	Thr	Leu
				125					130					135
Gly	Leu	Val	Gly	Pro	Cys	Gly	Val	Gly	Gly	Ala	Ala	Ala	Gly	Ser
				140					145					150
Ser	Thr	Gly	Val	Met	Ala	Leu	Arg	Phe	Leu	Leu	Gly	Phe	Leu	Leu
				155					160					165
Ala	Gly	Val	Asp	Leu	Gly	Val	Tyr	Leu	Met	Arg	Leu	Glu	Leu	Cys
				170					175					180
Asp	Pro	Thr	Gln	Arg	Leu	Arg	Val	Ala	Leu	Ala	Gly	Glu	Leu	Val
				185					190					195
Gly	Val	Gly	Gly	His	Phe	Leu	Phe	Leu	Gly	Leu	Ala	Leu	Val	Ser
				200					205					210
Lys	Asp	Trp	Arg	Phe	Leu	Gln	Arg	Met	Ile	Thr	Ala	Pro	Cys	Ile
				215					220					225
Leu	Phe	Leu	Phe	Tyr	Gly	Trp	Pro	Gly	Leu	Phe	Leu	Glu	Ser	Ala

	230		235		240
Arg Trp Leu Ile	Val Lys Arg Gln Ile	Glu Glu Ala Gln Ser	Val		
	245		250		255
Leu Arg Ile Leu	Ala Glu Arg Asn Arg	Pro His Gly Gln Met	Leu		
	260		265		270
Gly Glu Glu Ala	Gln Glu Ala Leu Gln	Ala Ser Leu Pro Met	Pro		
	275		280		285
Phe Ala Thr Ala	Thr Ser Leu Trp Glu	Glu Glu Gly Ala His	Arg		
	290		295		300
Thr Ser Thr Cys	Ala Leu Cys Trp Pro	Ala Ala Pro Gln Pro	Trp		
	305		310		315
Pro Val Ser Ser	Trp Gly Ser Pro Trp	Thr Asp Leu Ala Ala	Gly		
	320		325		330
Ala Ser Phe Phe	Ser Pro				
	335				

<210> 32

<211> 271

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505631CD1

<400> 32

Met Asp Asp Phe Ile Ser Ile Ser Leu Leu Ser Leu Ala Met Leu		
1 5 10 15		
Val Gly Cys Tyr Val Ala Gly Ile Ile Pro Leu Ala Val Asn Phe		
20 25 30		
Ser Glu Glu Arg Leu Lys Leu Val Thr Val Leu Gly Ala Gly Leu		
35 40 45		
Leu Cys Gly Thr Ala Leu Ala Val Ile Val Pro Glu Gly Val His		
50 55 60		
Ala Leu Tyr Glu Asp Ile Leu Glu Gly Lys His His Gln Ala Ser		
65 70 75		
Glu Thr His Asn Val Ile Ala Ser Asp Lys Ala Ala Glu Lys Ser		
80 85 90		
Val Val His Glu His Glu His Ser His Asp His Thr Gln Leu His		
95 100 105		
Ala Tyr Ile Gly Val Ser Leu Val Leu Gly Phe Val Phe Met Leu		
110 115 120		
Leu Val Asp Gln Ile Gly Asn Ser His Val His Ser Thr Asp Asp		
125 130 135		
Pro Glu Ala Ala Arg Ser Ser Asn Ser Lys Ile Thr Thr Thr Leu		
140 145 150		
Gly Leu Val Val His Ala Ala Ala Asp Gly Val Ala Leu Gly Ala		
155 160 165		
Ala Ala Ser Thr Ser Gln Thr Ser Val Gln Leu Ile Val Phe Val		
170 175 180		
Ala Ile Met Leu His Lys Ala Pro Ala Ala Phe Gly Leu Val Ser		
185 190 195		
Phe Leu Met His Ala Gly Leu Glu Arg Asn Arg Ile Arg Lys His		
200 205 210		
Leu Leu Val Phe Ala Leu Ala Ala Pro Val Met Ser Met Val Thr		
215 220 225		

Tyr	Leu	Gly	Leu	Ser	Lys	Ser	Ser	Lys	Glu	Ala	Leu	Ser	Glu	Val
				230					235					240
Asn	Ala	Thr	Gly	Val	Ala	Met	Leu	Phe	Ser	Ala	Gly	Thr	Phe	Leu
				245					250					255
Tyr	Val	Ala	Thr	Val	Arg	Lys	Val	Ala	Gln	Ile	Gly	Tyr	Ser	Cys
				260					265					270

Met

<210> 33

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506561CD1

<400> 33

Met	Ala	Trp	Gln	Met	Met	Gln	Leu	Leu	Leu	Leu	Ala	Leu	Val	Thr
1				5					10					15
Ala	Ala	Gly	Ser	Ala	Gln	Pro	Arg	Ser	Ala	Arg	Ala	Arg	Thr	Asp
				20					25					30
Leu	Leu	Asn	Val	Cys	Met	Asn	Ala	Lys	His	His	Lys	Thr	Gln	Pro
				35					40					45
Ser	Pro	Glu	Asp	Glu	Leu	Tyr	Gly	Gln	Cys	Ser	Pro	Trp	Lys	Lys
				50					55					60
Asn	Ala	Cys	Cys	Thr	Ala	Ser	Thr	Ser	Gln	Glu	Leu	His	Lys	Asp
				65					70					75
Thr	Ser	Arg	Leu	Tyr	Asn	Phe	Asn	Trp	Asp	His	Cys	Gly	Gln	Pro
				80					85					90
Glu	Leu	Ala	Gln	Arg	Ala	His	Ser	Glu	Arg	Ala	Pro	Val	Gln	Arg
				95					100					105

Gly Leu

<210> 34

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510733CD1

<400> 34

Met	Gln	Pro	Glu	Gly	Ala	Glu	Lys	Gly	Lys	Ser	Phe	Lys	Gln	Arg
1				5					10					15
Leu	Val	Leu	Lys	Ser	Ser	Leu	Ala	Lys	Glu	Thr	Leu	Ser	Glu	Phe
				20					25					30
Leu	Gly	Thr	Phe	Ile	Leu	Ile	Val	Leu	Gly	Cys	Gly	Cys	Val	Ala
				35					40					45
Gln	Ala	Ile	Leu	Ser	Arg	Gly	Arg	Phe	Gly	Gly	Val	Ile	Thr	Ile
				50					55					60
Asn	Val	Gly	Phe	Ser	Met	Ala	Val	Ala	Met	Ala	Ile	Tyr	Val	Ala
				65					70					75

Gly	Gly	Val	Ser	Asp	Gly	Leu	Met	Ser	Phe	Ala	Gly	Gly	Lys	Leu	
				80					85					90	
Leu	Ile	Val	Gly	Glu	Asn	Ala	Thr	Ala	His	Ile	Phe	Ala	Thr	Tyr	
				95					100					105	
Pro	Ala	Pro	Tyr	Leu	Ser	Leu	Ala	Asn	Ala	Phe	Ala	Asp	Gln	Val	
				110					115					120	
Val	Ala	Thr	Met	Ile	Leu	Leu	Ile	Ile	Val	Phe	Ala	Ile	Phe	Asp	
				125					130					135	
Ser	Arg	Asn	Leu	Gly	Ala	Pro	Arg	Gly	Leu	Glu	Pro	Ile	Ala	Ile	
				140					145					150	
Gly	Leu	Leu	Ile	Ile	Val	Ile	Ala	Ser	Ser	Leu	Gly	Leu	Asn	Ser	
				155					160					165	
Gly	Cys	Ala	Met	Asn	Pro	Ala	Arg	Asp	Leu	Ser	Pro	Arg	Leu	Phe	
				170					175					180	
Thr	Ala	Leu	Ala	Gly	Trp	Gly	Phe	Glu	Val	Phe	Arg	Ala	Gly	Asn	
				185					190					195	
Asn	Phe	Trp	Trp	Ile	Pro	Val	Val	Gly	Pro	Leu	Val	Gly	Ala	Val	
				200					205					210	
Ile	Gly	Gly	Leu	Ile	Tyr	Val	Leu	Val	Ile	Glu	Ile	His	His	Pro	
				215					220					225	
Glu	Pro	Asp	Ser	Val	Phe	Lys	Ala	Glu	Gln	Ser	Glu	Asp	Lys	Pro	
				230					235					240	
Glu	Lys	Tyr	Glu	Leu	Ser	Val	Ile	Met							
				245											

<210> 35

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510734CD1

<400> 35

Met	Gln	Pro	Glu	Gly	Ala	Glu	Lys	Gly	Lys	Ser	Phe	Lys	Gln	Arg	
1				5					10					15	
Leu	Val	Leu	Lys	Ser	Ser	Leu	Ala	Lys	Glu	Thr	Leu	Ser	Glu	Phe	
				20					25					30	
Leu	Gly	Thr	Phe	Ile	Leu	Ile	Val	Leu	Gly	Cys	Gly	Cys	Val	Ala	
				35					40					45	
Gln	Ala	Ile	Leu	Ser	Arg	Gly	Arg	Phe	Gly	Gly	Val	Ile	Thr	Ile	
				50					55					60	
Asn	Val	Gly	Phe	Ser	Met	Ala	Val	Ala	Met	Ala	Ile	Tyr	Val	Ala	
				65					70					75	
Gly	Gly	Val	Ser	Gly	Gly	His	Ile	Asn	Pro	Ala	Val	Ser	Leu	Ala	
				80					85					90	
Met	Cys	Leu	Phe	Gly	Arg	Met	Lys	Trp	Phe	Lys	Leu	Pro	Phe	Tyr	
				95					100					105	
Val	Gly	Ala	Gln	Phe	Leu	Gly	Ala	Phe	Val	Gly	Ala	Ala	Thr	Val	
				110					115					120	
Phe	Gly	Ile	Tyr	Tyr	Asp	Gly	Leu	Met	Ser	Phe	Ala	Gly	Gly	Lys	
				125					130					135	
Leu	Leu	Ile	Val	Gly	Glu	Asn	Ala	Thr	Ala	His	Ile	Phe	Ala	Thr	
				140					145					150	
Tyr	Pro	Ala	Pro	Tyr	Leu	Ser	Leu	Ala	Asn	Ala	Phe	Ala	Asp	Gln	

	155		160		165
Lys Leu Gly Ser Pro Gln Arg Pro Arg		Ala His Cys His Arg Pro			
	170		175		180
Pro Asp Tyr Cys His Cys Phe Leu Pro Gly Thr Glu Gln Trp Leu					
	185		190		195
Cys His Glu Pro Ser Ser Arg Pro Glu Ser Gln Thr Phe His Cys					
	200		205		210
Leu Gly Arg Leu Gly Val					
	215				

<210> 36
 <211> 223
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7503977CD1

<400> 36

Met Ala Ser Thr Gly Gly Thr Lys Val Val Ala Met Gly Val Ala			
1	5	10	15
Pro Trp Gly Val Val Arg Asn Arg Asp Thr Leu Ile Asn Pro Lys			
	20	25	30
Gly Ser Phe Pro Ala Arg Tyr Arg Trp Arg Gly Asp Pro Glu Asp			
	35	40	45
Gly Val Gln Phe Pro Leu Asp Tyr Asn Tyr Ser Ala Phe Phe Leu			
	50	55	60
Val Asp Asp Gly Thr His Gly Cys Leu Gly Gly Glu Asn Arg Phe			
	65	70	75
Arg Leu Arg Leu Glu Ser Tyr Ile Ser Gln Gln Lys Thr Gly Val			
	80	85	90
Gly Gly Thr Gly Ile Asp Ile Pro Val Leu Leu Leu Leu Ile Asp			
	95	100	105
Gly Asp Glu Lys Met Leu Thr Arg Ile Glu Asn Ala Thr Gln Ala			
	110	115	120
Gln Leu Pro Cys Leu Leu Val Ala Gly Ser Gly Gly Ala Ala Asp			
	125	130	135
Cys Leu Ala Glu Thr Leu Glu Asp Thr Leu Ala Pro Gly Ser Gly			
	140	145	150
Gly Ala Arg Gln Gly Glu Ala Arg Asp Arg Ile Arg Arg Phe Phe			
	155	160	165
Pro Lys Gly Asp Leu Glu Val Leu Gln Ala Gln Val Glu Arg Ile			
	170	175	180
Met Thr Arg Lys Glu Leu Leu Thr Val Tyr Ser Ser Glu Asp Gly			
	185	190	195
Ser Glu Glu Phe Glu Thr Ile Val Leu Lys Ala Leu Val Lys Val			
	200	205	210
Leu Pro Ser Arg Ser Phe Pro His Gly Arg Pro Ala Glu			
	215	220	

<210> 37
 <211> 394
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505084CD1

<400> 37

Met	Glu	Ser	Gly	Thr	Ser	Ser	Pro	Gln	Pro	Pro	Gln	Leu	Asp	Pro
1				5					10					15
Leu	Asp	Ala	Phe	Pro	Gln	Lys	Gly	Leu	Glu	Pro	Gly	Asp	Ile	Ala
				20					25					30
Val	Leu	Val	Leu	Tyr	Phe	Leu	Phe	Val	Leu	Ala	Val	Gly	Leu	Trp
				35					40					45
Ser	Thr	Val	Lys	Thr	Lys	Arg	Asp	Thr	Val	Lys	Gly	Tyr	Phe	Leu
				50					55					60
Ala	Gly	Gly	Asp	Met	Val	Trp	Trp	Pro	Val	Gly	Ala	Ser	Leu	Phe
				65					70					75
Ala	Ser	Asn	Val	Gly	Ser	Gly	His	Phe	Ile	Gly	Leu	Ala	Gly	Ser
				80					85					90
Gly	Ala	Ala	Thr	Gly	Ile	Ser	Val	Ser	Ala	Tyr	Glu	Leu	Asn	Gly
				95					100					105
Leu	Phe	Ser	Val	Leu	Met	Leu	Ala	Trp	Ile	Phe	Leu	Pro	Ile	Tyr
				110					115					120
Ile	Ala	Gly	Gln	Val	Thr	Thr	Met	Pro	Glu	Tyr	Leu	Arg	Lys	Arg
				125					130					135
Phe	Gly	Gly	Ile	Arg	Ile	Pro	Ile	Ile	Leu	Ala	Val	Leu	Tyr	Leu
				140					145					150
Phe	Ile	Tyr	Ile	Phe	Thr	Lys	Ile	Ser	Val	Asp	Met	Tyr	Ala	Gly
				155					160					165
Ala	Ile	Phe	Ile	Gln	Gln	Ser	Leu	His	Leu	Asp	Leu	Tyr	Leu	Ala
				170					175					180
Ile	Val	Gly	Leu	Leu	Ala	Ile	Thr	Ala	Val	Tyr	Thr	Val	Ala	Gly
				185					190					195
Gly	Leu	Ala	Ala	Val	Ile	Tyr	Thr	Asp	Ala	Leu	Gln	Thr	Leu	Ile
				200					205					210
Met	Leu	Ile	Gly	Ala	Leu	Thr	Leu	Met	Gly	Tyr	Ser	Phe	Ala	Ala
				215					220					225
Val	Gly	Gly	Met	Glu	Gly	Leu	Lys	Glu	Lys	Tyr	Phe	Leu	Ala	Leu
				230					235					240
Ala	Ser	Asn	Arg	Ser	Glu	Asn	Ser	Ser	Cys	Gly	Leu	Pro	Arg	Glu
				245					250					255
Asp	Ala	Phe	His	Ile	Phe	Arg	Asp	Pro	Leu	Thr	Ser	Asp	Leu	Pro
				260					265					270
Trp	Pro	Gly	Val	Leu	Phe	Gly	Met	Ser	Ile	Pro	Ser	Leu	Trp	Tyr
				275					280					285
Trp	Cys	Thr	Asp	Gln	Val	Ile	Val	Gln	Arg	Thr	Leu	Ala	Ala	Lys
				290					295					300
Asn	Leu	Ser	His	Ala	Lys	Gly	Gly	Ala	Leu	Met	Ala	Ala	Tyr	Leu
				305					310					315
Lys	Val	Leu	Pro	Leu	Phe	Ile	Met	Val	Phe	Pro	Gly	Met	Val	Ser
				320					325					330
Arg	Ile	Leu	Phe	Pro	Asp	Gln	Val	Ala	Cys	Ala	Asp	Pro	Glu	Ile
				335					340					345
Cys	Gln	Lys	Ile	Cys	Ser	Asn	Pro	Ser	Gly	Cys	Ser	Asp	Ile	Ala
				350					355					360
Tyr	Pro	Lys	Leu	Val	Leu	Glu	Leu	Leu	Pro	Thr	Val	Pro	Ala	Pro
				365					370					375
Ser	Ser	Pro	Trp	Thr	Ser	Gly	Ile	Thr	Ser	Gly	Leu	Gly	His	Leu

Arg Arg Ser Ser 380 385 390

<210> 38
 <211> 202
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7506950CD1

<400> 38
 Met Lys Thr Lys Leu Asn Ile Tyr Asn Met Gln Phe Leu Leu Phe
 1 5 10 15
 Val Phe Leu Val Trp Asp Pro Ala Arg Leu Val Leu Ala Asn Ile
 20 25 30
 Gln Glu Asp Glu Ala Lys Asn Asn Ile Thr Ile Phe Thr Arg Ile
 35 40 45
 Leu Asp Arg Leu Leu Asp Gly Tyr Asp Asn Arg Leu Arg Pro Gly
 50 55 60
 Leu Gly Asp Ser Ile Thr Glu Val Phe Thr Asn Ile Tyr Val Thr
 65 70 75
 Ser Phe Gly Pro Val Ser Asp Thr Asp Met Glu Tyr Thr Ile Asp
 80 85 90
 Val Phe Phe Arg Gln Lys Trp Lys Asp Glu Arg Leu Lys Phe Lys
 95 100 105
 Gly Pro Met Asn Ile Leu Arg Leu Asn Asn Leu Met Ala Ser Lys
 110 115 120
 Ile Trp Thr Pro Asp Thr Phe Phe His Asn Gly Lys Lys Ser Val
 125 130 135
 Ala His Asn Met Thr Met Pro Asn Lys Leu Leu Arg Ile Gln Asp
 140 145 150
 Asp Gly Thr Leu Leu Tyr Thr Met Arg Ser Asn Asn Cys Pro Asn
 155 160 165
 Asn Asp Asn Ser Lys His Gln Cys Ser Glu Phe Ser Pro Gln Ser
 170 175 180
 Gly Leu Cys Asn Cys His Gly Leu Val Tyr Cys Cys Leu Leu Cys
 185 190 195
 Ile Cys Val Leu Cys Pro Asn
 200

<210> 39
 <211> 337
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7506951CD1

<400> 39
 Met Lys Thr Lys Leu Asn Ile Tyr Asn Met Gln Phe Leu Leu Phe
 1 5 10 15
 Val Phe Leu Val Trp Asp Pro Ala Arg Leu Val Leu Ala Asn Ile

				20					25					30
Gln	Glu	Asp	Glu	Ala	Lys	Asn	Asn	Ile	Thr	Ile	Phe	Thr	Arg	Ile
				35					40					45
Leu	Asp	Arg	Leu	Leu	Asp	Gly	Tyr	Asp	Asn	Arg	Leu	Arg	Pro	Gly
				50					55					60
Leu	Gly	Asp	Ser	Ile	Thr	Glu	Val	Phe	Thr	Asn	Ile	Tyr	Val	Thr
				65					70					75
Ser	Phe	Gly	Pro	Val	Ser	Asp	Thr	Asp	Met	Glu	Tyr	Thr	Ile	Asp
				80					85					90
Val	Phe	Phe	Arg	Gln	Lys	Trp	Lys	Asp	Glu	Arg	Leu	Lys	Phe	Lys
				95					100					105
Gly	Pro	Met	Asn	Ile	Leu	Arg	Leu	Asn	Asn	Leu	Met	Ala	Ser	Lys
				110					115					120
Ile	Trp	Thr	Pro	Asp	Thr	Phe	Phe	His	Asn	Gly	Lys	Lys	Ser	Val
				125					130					135
Ala	His	Asn	Met	Thr	Met	Pro	Asn	Lys	Leu	Leu	Arg	Ile	Gln	Asp
				140					145					150
Asp	Gly	Thr	Leu	Leu	Tyr	Thr	Met	Arg	Leu	Thr	Val	Gln	Ala	Glu
				155					160					165
Cys	Pro	Met	His	Leu	Glu	Asp	Phe	Pro	Met	Asp	Ala	His	Ser	Cys
				170					175					180
Pro	Leu	Lys	Phe	Gly	Ser	Tyr	Ala	Tyr	Thr	Thr	Ser	Glu	Val	Thr
				185					190					195
Tyr	Ile	Trp	Thr	Tyr	Asn	Ala	Ser	Asp	Ser	Val	Gln	Val	Ala	Pro
				200					205					210
Asp	Gly	Ser	Arg	Leu	Asn	Gln	Tyr	Asp	Leu	Leu	Gly	Gln	Ser	Ile
				215					220					225
Gly	Lys	Glu	Thr	Ile	Lys	Ser	Ser	Thr	Gly	Glu	Tyr	Thr	Val	Met
				230					235					240
Thr	Ala	His	Phe	His	Leu	Lys	Arg	Lys	Ile	Gly	Tyr	Phe	Val	Ile
				245					250					255
Gln	Thr	Tyr	Leu	Pro	Cys	Ile	Met	Thr	Val	Ile	Leu	Ser	Gln	Val
				260					265					270
Ser	Phe	Trp	Leu	Asn	Arg	Glu	Ser	Val	Pro	Ala	Arg	Thr	Val	Phe
				275					280					285
Glu	Lys	Arg	Lys	Gly	Phe	Arg	Tyr	Asp	Thr	Glu	Gln	Arg	Leu	Cys
				290					295					300
Ser	Gly	Cys	Cys	Gln	Leu	Cys	Pro	Glu	Ser	Phe	Lys	Arg	Ser	Ser
				305					310					315
Ser	Leu	His	His	Leu	Gln	Glu	Cys	Asn	His	Ala	Arg	Thr	Gln	Gln
				320					325					330
Glu	Ala	Arg	Lys	Gln	Ala	Ser								
				335										

<210> 40

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506954CD1

<400> 40

Met	Lys	Thr	Lys	Leu	Asn	Ile	Tyr	Asn	Met	Gln	Phe	Leu	Leu	Phe
1				5					10					15

Val	Phe	Leu	Val	Trp	Asp	Pro	Ala	Arg	Leu	Val	Leu	Ala	Asn	Ile	
				20					25					30	
Gln	Glu	Asp	Glu	Ala	Lys	Asn	Asn	Ile	Thr	Ile	Phe	Thr	Arg	Ile	
				35					40					45	
Leu	Asp	Arg	Leu	Leu	Asp	Gly	Tyr	Asp	Asn	Arg	Leu	Arg	Pro	Gly	
				50					55					60	
Leu	Gly	Glu	Lys	Arg	Lys	Gly	Phe	Arg	Tyr	Asp	Thr	Glu	Gln	Arg	
				65					70					75	
Leu	Cys	Ser	Gly	Cys	Cys	Gln	Leu	Cys	Pro	Glu	Ser	Phe	Lys	Arg	
				80					85					90	
Ser	Ser	Ser	Leu	His	His	Leu	Gln	Glu	Cys	Asn	His	Ala	Arg	Thr	
				95					100					105	
Gln	Gln	Glu	Ala	Arg	Lys	Gln	Ala	Ser							
				110											

<210> 41

<211> 400

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506956CD1

<400> 41

Met	Lys	Thr	Lys	Leu	Asn	Ile	Tyr	Asn	Met	Gln	Phe	Leu	Leu	Phe	
1				5					10					15	
Val	Phe	Leu	Val	Trp	Asp	Pro	Ala	Arg	Leu	Val	Leu	Ala	Asn	Ile	
				20					25					30	
Gln	Glu	Asp	Glu	Ala	Lys	Asn	Asn	Ile	Thr	Ile	Phe	Thr	Arg	Ile	
				35					40					45	
Leu	Asp	Arg	Leu	Leu	Asp	Gly	Tyr	Asp	Asn	Arg	Leu	Arg	Pro	Gly	
				50					55					60	
Leu	Gly	Asp	Ser	Ile	Thr	Glu	Val	Phe	Thr	Asn	Ile	Tyr	Val	Thr	
				65					70					75	
Ser	Phe	Gly	Pro	Val	Ser	Asp	Thr	Asp	Met	Glu	Tyr	Thr	Ile	Asp	
				80					85					90	
Val	Phe	Phe	Arg	Gln	Lys	Trp	Lys	Asp	Glu	Arg	Leu	Lys	Phe	Lys	
				95					100					105	
Gly	Pro	Met	Asn	Ile	Leu	Arg	Leu	Asn	Asn	Leu	Met	Ala	Ser	Lys	
				110					115					120	
Ile	Trp	Thr	Pro	Asp	Thr	Phe	Phe	His	Asn	Gly	Lys	Lys	Ser	Val	
				125					130					135	
Ala	His	Asn	Met	Thr	Met	Pro	Asn	Lys	Leu	Leu	Arg	Ile	Gln	Asp	
				140					145					150	
Asp	Gly	Thr	Leu	Leu	Tyr	Thr	Met	Arg	Leu	Thr	Val	Gln	Ala	Glu	
				155					160					165	
Cys	Pro	Met	His	Leu	Glu	Asp	Phe	Pro	Met	Asp	Ala	His	Ser	Cys	
				170					175					180	
Pro	Leu	Lys	Phe	Gly	Ser	Tyr	Ala	Tyr	Thr	Thr	Ser	Glu	Val	Thr	
				185					190					195	
Tyr	Ile	Trp	Thr	Tyr	Asn	Ala	Ser	Asp	Ser	Val	Gln	Val	Ala	Pro	
				200					205					210	
Asp	Gly	Ser	Arg	Leu	Asn	Gln	Tyr	Asp	Leu	Leu	Gly	Gln	Ser	Ile	
				215					220					225	
Gly	Lys	Glu	Thr	Ile	Lys	Ser	Ser	Thr	Gly	Val	Thr	Thr	Val	Leu	

	230		235		240
Thr Met Thr Thr	Leu Ser Ile Ser Ala	Arg Asn Ser Leu Pro	Lys		
	245		250		255
Val Ala Tyr Ala	Thr Ala Met Asp Trp	Phe Ile Ala Val Cys	Tyr		
	260		265		270
Ala Phe Val Phe	Ser Ala Leu Ile Glu	Phe Ala Thr Val Asn	Tyr		
	275		280		285
Phe Thr Lys Arg	Gly Trp Ala Trp Asp	Gly Lys Ser Val Val	Asn		
	290		295		300
Asp Lys Lys Lys	Glu Lys Ala Ser Val	Met Ile Gln Asn Asn	Ala		
	305		310		315
Tyr Ala Val Ala	Val Ala Asn Tyr Ala	Pro Asn Leu Ser Lys	Asp		
	320		325		330
Pro Val Leu Ser	Thr Ile Ser Lys Ser	Ala Thr Thr Pro Glu	Pro		
	335		340		345
Asn Lys Lys Pro	Glu Asn Lys Pro Ala	Glu Ala Lys Lys Thr	Phe		
	350		355		360
Asn Ser Val Ser	Lys Ile Asp Arg Met	Ser Arg Ile Val Phe	Pro		
	365		370		375
Val Leu Phe Gly	Thr Phe Asn Leu Val	Tyr Trp Ala Thr Tyr	Leu		
	380		385		390
Asn Arg Glu Pro	Val Leu Gly Val Ser	Pro			
	395		400		

<210> 42

<211> 403

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506959CD1

<400> 42

Met Lys Thr Lys	Leu Asn Ile Tyr	Asn Met Gln Phe	Leu Leu Phe
1	5	10	15
Val Phe Leu Val	Trp Asp Pro Ala	Arg Leu Val Leu	Ala Asn Ile
	20	25	30
Gln Glu Asp Glu	Ala Lys Asn Asn	Ile Thr Ile Phe	Thr Arg Ile
	35	40	45
Leu Asp Arg Leu	Leu Asp Gly Tyr	Asp Asn Arg Leu	Arg Pro Gly
	50	55	60
Leu Gly Asp Ser	Ile Thr Glu Val	Phe Thr Asn Ile	Tyr Val Thr
	65	70	75
Ser Phe Gly Pro	Val Ser Asp Thr	Asp Met Glu Tyr	Thr Ile Asp
	80	85	90
Val Phe Phe Arg	Gln Lys Trp Lys	Asp Glu Arg Leu	Lys Phe Lys
	95	100	105
Gly Pro Met Asn	Ile Leu Arg Leu	Asn Asn Leu	Met Ala Ser Lys
	110	115	120
Ile Trp Thr Pro	Asp Thr Phe Phe	His Asn Gly Lys	Lys Ser Val
	125	130	135
Ala His Asn Met	Thr Met Pro Asn	Lys Leu Leu Arg	Ile Gln Asp
	140	145	150
Asp Gly Thr Leu	Leu Tyr Thr Met	Arg Leu Thr Val	Gln Ala Glu
	155	160	165

Cys	Pro	Met	His	Leu	Glu	Asp	Phe	Pro	Met	Asp	Ala	His	Ser	Cys
				170					175					180
Pro	Leu	Lys	Phe	Gly	Ser	Cys	Glu	Tyr	Thr	Val	Met	Thr	Ala	His
				185					190					195
Phe	His	Leu	Lys	Arg	Lys	Ile	Gly	Tyr	Phe	Val	Ile	Gln	Thr	Tyr
				200					205					210
Leu	Pro	Cys	Ile	Met	Thr	Val	Ile	Leu	Ser	Gln	Val	Ser	Phe	Trp
				215					220					225
Leu	Asn	Arg	Glu	Ser	Val	Pro	Ala	Arg	Thr	Val	Phe	Gly	Val	Thr
				230					235					240
Thr	Val	Leu	Thr	Met	Thr	Thr	Leu	Ser	Ile	Ser	Ala	Arg	Asn	Ser
				245					250					255
Leu	Pro	Lys	Val	Ala	Tyr	Ala	Thr	Ala	Met	Asp	Trp	Phe	Ile	Ala
				260					265					270
Val	Cys	Tyr	Ala	Phe	Val	Phe	Ser	Ala	Leu	Ile	Glu	Phe	Ala	Thr
				275					280					285
Val	Asn	Tyr	Phe	Thr	Lys	Arg	Gly	Trp	Ala	Trp	Asp	Gly	Lys	Ser
				290					295					300
Val	Val	Asn	Asp	Lys	Lys	Lys	Glu	Lys	Ala	Ser	Val	Met	Ile	Gln
				305					310					315
Asn	Asn	Ala	Tyr	Ala	Val	Ala	Val	Ala	Asn	Tyr	Ala	Pro	Asn	Leu
				320					325					330
Ser	Lys	Asp	Pro	Val	Leu	Ser	Thr	Ile	Ser	Lys	Ser	Ala	Thr	Thr
				335					340					345
Pro	Glu	Pro	Asn	Lys	Lys	Pro	Glu	Asn	Lys	Pro	Ala	Glu	Ala	Lys
				350					355					360
Lys	Thr	Phe	Asn	Ser	Val	Ser	Lys	Ile	Asp	Arg	Met	Ser	Arg	Ile
				365					370					375
Val	Phe	Pro	Val	Leu	Phe	Gly	Thr	Phe	Asn	Leu	Val	Tyr	Trp	Ala
				380					385					390
Thr	Tyr	Leu	Asn	Arg	Glu	Pro	Val	Leu	Gly	Val	Ser	Pro		
				395					400					

<210> 43

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506960CD1

<400> 43

Met	Lys	Thr	Lys	Leu	Asn	Ile	Tyr	Asn	Met	Gln	Phe	Leu	Leu	Phe
1				5					10					15
Val	Phe	Leu	Val	Trp	Asp	Pro	Ala	Arg	Leu	Val	Leu	Ala	Asn	Ile
				20					25					30
Gln	Glu	Asp	Glu	Ala	Lys	Asn	Asn	Ile	Thr	Ile	Phe	Thr	Arg	Ile
				35					40					45
Leu	Asp	Arg	Leu	Leu	Asp	Gly	Tyr	Asp	Asn	Arg	Leu	Arg	Pro	Gly
				50					55					60
Leu	Gly	Gly	Ile	Tyr	Asn									
				65										

<210> 44

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510540CD1

<400> 44

Met	Thr	Glu	Asp	Lys	Val	Thr	Gly	Thr	Leu	Val	Phe	Thr	Val	Ile
1				5					10					15
Thr	Ala	Val	Leu	Gly	Ser	Phe	Gln	Phe	Gly	Tyr	Asp	Ile	Gly	Val
				20					25					30
Ile	Asn	Ala	Pro	Gln	Gln	Asn	Gln	Ser	His	Val	Ser	Ser	Lys	His
				35					40					45
Ser	Val	Ile	Ser	Trp	Ser	Ser	Leu	Asp	Gly	Val	Phe	Lys	Ile	Gly
				50					55					60
Thr	Ile	Ser	Tyr	Thr	Tyr	Asn	Cys	Trp	Lys	Lys	His	Ile	Arg	Thr
				65					70					75
Ile	Leu	Trp	Ala	Asn	Phe	Arg	Pro	Gly	Ser	Tyr	Val	Tyr	Arg	
				80					85					

<210> 45

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510545CD1

<400> 45

Met	Glu	Asn	Ala	His	Thr	Lys	Thr	Val	Glu	Glu	Val	Leu	Gly	His
1				5					10					15
Phe	Gly	Val	Asn	Glu	Ser	Glu	Ser	Val	Ser	Val	Ile	Lys	His	Thr
				20					25					30
Asp	Pro	Val	Pro	Asp	Pro	Arg	Ala	Val	Asn	Gln	Asp	Lys	Lys	Asn
				35					40					45
Met	Leu	Phe	Ser	Val	Ala	Leu	Ala	Val	Ala	Ala	Ile	Pro	Glu	Gly
				50					55					60
Leu	Pro	Ala	Val	Ile	Thr	Thr	Cys	Leu	Ala	Leu	Gly	Thr	Arg	Arg
				65					70					75
Met	Ala	Lys	Lys	Asn	Ala	Ile	Val	Arg	Ser	Leu	Pro	Ser	Val	Glu
				80					85					90
Thr	Leu	Gly	Cys	Thr	Ser	Val	Ile	Cys	Ser	Asp	Lys	Thr	Gly	Thr
				95					100					105
Leu	Thr	Thr	Asn	Gln	Met	Ser	Val	Cys	Arg	Met	Phe	Ile	Leu	Asp
				110					115					120
Arg	Val	Glu	Asp	His	Thr	Ala	Glu	Arg	Asp	Pro	Val	Ala	Asp	Gly
				125					130					135
Ala	Glu	Asn	Leu	Leu	Ala	Arg	Asp	Ser	His	Gly				
				140					145					

<210> 46

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510654CD1

<400> 46

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Met Thr Pro Glu Asp Pro Glu Glu Thr Gln Pro Leu Leu Gly Pro
 1          5          10          15
Pro Gly Gly Ser Ala Pro Arg Gly Arg Arg Val Phe Leu Ala Ala
          20          25          30
Phe Ala Ala Ala Leu Gly Pro Leu Ser Phe Gly Phe Ala Leu Gly
          35          40          45
Tyr Ser Ser Pro Ala Ile Pro Ser Leu Gln Arg Ala Ala Pro Pro
          50          55          60
Ala Pro Arg Leu Asp Asp Ala Ala Ala Ser Trp Phe Gly Ala Val
          65          70          75
Val Thr Leu Gly Ala Ala Ala Gly Gly Val Leu Gly Gly Trp Leu
          80          85          90
Val Asp Arg Ala Gly Arg Lys Leu Ser Leu Leu Leu Cys Ser Val
          95          100          105
Pro Phe Val Ala Gly Phe Ala Val Ile Thr Ala Ala Gln Asp Val
          110          115          120
Trp Met Leu Leu Gly Gly Arg Leu Leu Thr Gly Leu Ala Cys Gly
          125          130          135
Val Ala Ser Leu Val Ala Pro Val Tyr Ile Ser Glu Ile Ala Tyr
          140          145          150
Pro Ala Val Arg Gly Leu Leu Gly Ser Cys Val Gln Leu Met Val
          155          160          165
Val Val Gly Ile Leu Leu Ala Tyr Leu Ala Gly Trp Val Leu Glu
          170          175          180
Trp Arg Trp Leu Ala Val Leu Gly Cys Val Pro Pro Ser Leu Met
          185          190          195
Leu Leu Leu Met Cys Phe Met Pro Glu Thr Pro Arg Phe Leu Leu
          200          205          210
Thr Gln His Arg Arg Gln Glu Ala Met Ala Ala Leu Arg Phe Leu
          215          220          225
Trp Gly Ser Glu Gln Gly Trp Glu Asp Pro Pro Ile Gly Ala Glu
          230          235          240
Gln Ser Phe His Leu Ala Leu Leu Arg Gln Pro Gly Ile Tyr Lys
          245          250          255
Pro Phe Ile Ile Gly Val Ser Leu Met Ala Phe Gln Gln Leu Ser
          260          265          270
Gly Val Asn Ala Val Met Phe Tyr Ala Glu Thr Ile Phe Glu Glu
          275          280          285
Ala Lys Phe Lys Asp Ser Ser Leu Ala Ser Val Val Val Gly Val
          290          295          300
Ile Gln Val Leu Phe Thr Ala Val Ala Leu Ile Met Asp Arg
          305          310          315
Ala Gly Arg Arg Leu Leu Leu Val Leu Ser Gly Gly Pro Gln Ala
          320          325          330
Leu Trp Ser Leu Leu Ala Cys Leu Arg Phe Leu His Leu Gln Cys
          335          340          345
Pro Phe His Phe Val Leu Cys Pro
          350

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<210> 47

<211> 1155

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510660CD1

<400> 47

Met	Ala	Ala	Ala	Ala	Ala	Val	Gly	Asn	Ala	Val	Pro	Cys	Gly	Ala	1	5	10	15
Arg	Pro	Cys	Gly	Val	Arg	Pro	Asp	Gly	Gln	Pro	Lys	Pro	Gly	Pro	20	25	30	35
Gln	Pro	Arg	Ala	Leu	Ala	Ala	Gly	Pro	Ala	Leu	Ile	Ala	Asn		40	45	50	55
Gly	Asp	Glu	Leu	Val	Ala	Ala	Val	Trp	Pro	Tyr	Arg	Arg	Leu	Ala	60	65	70	75
Leu	Leu	Arg	Arg	Leu	Thr	Val	Leu	Pro	Phe	Ala	Gly	Leu	Leu	Tyr	80	85	90	95
Pro	Ala	Trp	Leu	Gly	Ala	Ala	Ala	Ala	Gly	Cys	Trp	Gly	Trp	Gly	100	105	110	115
Ser	Ser	Trp	Val	Gln	Ile	Pro	Glu	Ala	Ala	Leu	Leu	Val	Leu	Ala	120	125	130	135
Thr	Ile	Cys	Leu	Ala	His	Ala	Leu	Thr	Val	Leu	Ser	Gly	His	Trp	140	145	150	155
Ser	Val	His	Ala	His	Cys	Ala	Leu	Thr	Cys	Thr	Pro	Glu	Tyr	Asp	160	165	170	175
Pro	Ser	Lys	Ala	Thr	Phe	Val	Lys	Val	Val	Pro	Thr	Pro	Asn	Asn	180	185	190	195
Gly	Ser	Thr	Glu	Leu	Val	Ala	Leu	His	Arg	Asn	Glu	Gly	Glu	Asp	200	205	210	215
Gly	Leu	Glu	Val	Leu	Ser	Phe	Glu	Phe	Gln	Lys	Ile	Lys	Tyr	Ser	220	225	230	235
Tyr	Asp	Ala	Leu	Glu	Lys	Lys	Gln	Phe	Leu	Pro	Val	Ala	Phe	Pro	240	245	250	255
Val	Gly	Asn	Ala	Phe	Ser	Tyr	Tyr	Gln	Ser	Asn	Arg	Gly	Phe	Gln	260	265	270	275
Glu	Asp	Ser	Glu	Ile	Arg	Ala	Ala	Glu	Lys	Lys	Phe	Gly	Ser	Asn	280	285	290	295
Lys	Ala	Glu	Met	Val	Val	Pro	Asp	Phe	Ser	Glu	Leu	Phe	Lys	Glu	300	305	310	315
Arg	Ala	Thr	Ala	Pro	Phe	Phe	Val	Phe	Gln	Val	Phe	Cys	Val	Gly	320	325	330	335
Leu	Trp	Cys	Leu	Asp	Glu	Tyr	Trp	Tyr	Tyr	Ser	Val	Phe	Thr	Leu	340	345	350	355
Ser	Met	Leu	Val	Ala	Phe	Glu	Ala	Ser	Leu	Val	Gln	Gln	Gln	Met				
Arg	Asn	Met	Ser	Glu	Ile	Arg	Lys	Met	Gly	Asn	Lys	Pro	His	Met				
Ile	Gln	Val	Tyr	Arg	Ser	Arg	Lys	Trp	Arg	Pro	Ile	Ala	Ser	Asp				
Glu	Ile	Val	Pro	Gly	Asp	Ile	Val	Ser	Ile	Gly	Arg	Ser	Pro	Gln				
Glu	Asn	Leu	Val	Pro	Cys	Asp	Val	Leu	Leu	Leu	Arg	Gly	Arg	Cys				
Ile	Val	Asp	Glu	Ala	Met	Leu	Thr	Gly	Glu	Ser	Val	Pro	Gln	Met				

Lys	Glu	Pro	Ile	Glu	Asp	Leu	Ser	Pro	Asp	Arg	Val	Leu	Asp	Leu			
				365					370					375			
Gln	Ala	Asp	Ser	Arg	Leu	His	Val	Ile	Phe	Gly	Gly	Thr	Lys	Val			
				380					385					390			
Val	Gln	His	Ile	Pro	Pro	Gln	Lys	Ala	Thr	Thr	Gly	Leu	Lys	Pro			
				395					400					405			
Val	Asp	Ser	Gly	Cys	Val	Ala	Tyr	Val	Leu	Arg	Thr	Gly	Phe	Asn			
				410					415					420			
Thr	Ser	Gln	Gly	Lys	Leu	Leu	Arg	Thr	Ile	Leu	Phe	Gly	Val	Lys			
				425					430					435			
Arg	Val	Thr	Ala	Asn	Asn	Leu	Glu	Thr	Phe	Ile	Phe	Ile	Leu	Phe			
				440					445					450			
Leu	Leu	Val	Phe	Ala	Ile	Ala	Ala	Ala	Tyr	Val	Trp	Ile	Glu				
				455					460					465			
Gly	Thr	Lys	Asp	Pro	Ser	Arg	Asn	Arg	Tyr	Lys	Leu	Phe	Leu	Glu			
				470					475					480			
Cys	Thr	Leu	Ile	Leu	Thr	Ser	Val	Val	Pro	Pro	Glu	Leu	Pro	Ile			
				485					490					495			
Glu	Leu	Ser	Leu	Ala	Val	Asn	Thr	Ser	Leu	Ile	Ala	Leu	Ala	Lys			
				500					505					510			
Leu	Tyr	Met	Tyr	Cys	Thr	Glu	Pro	Phe	Arg	Ile	Pro	Phe	Ala	Gly			
				515					520					525			
Lys	Val	Glu	Val	Cys	Cys	Phe	Asp	Lys	Thr	Gly	Thr	Leu	Thr	Ser			
				530					535					540			
Asp	Ser	Leu	Val	Val	Arg	Gly	Val	Ala	Gly	Leu	Arg	Asp	Gly	Lys			
				545					550					555			
Glu	Val	Thr	Pro	Val	Ser	Ser	Ile	Pro	Val	Glu	Thr	His	Arg	Ala			
				560					565					570			
Leu	Ala	Ser	Cys	His	Ser	Leu	Met	Gln	Leu	Asp	Asp	Gly	Thr	Leu			
				575					580					585			
Val	Gly	Asp	Pro	Leu	Glu	Lys	Ala	Met	Leu	Thr	Ala	Val	Asp	Trp			
				590					595					600			
Thr	Leu	Thr	Lys	Asp	Glu	Lys	Val	Phe	Pro	Arg	Ser	Ile	Lys	Thr			
				605					610					615			
Gln	Gly	Leu	Lys	Ile	His	Gln	Arg	Phe	His	Phe	Ala	Ser	Ala	Leu			
				620					625					630			
Lys	Arg	Met	Ser	Val	Leu	Ala	Ser	Tyr	Glu	Lys	Leu	Gly	Ser	Thr			
				635					640					645			
Asp	Leu	Cys	Tyr	Ile	Ala	Ala	Val	Lys	Gly	Ala	Pro	Glu	Thr	Leu			
				650					655					660			
His	Ser	Met	Phe	Ser	Gln	Cys	Pro	Pro	Asp	Tyr	His	His	Ile	His			
				665					670					675			
Thr	Glu	Ile	Ser	Arg	Glu	Gly	Ala	Arg	Val	Leu	Ala	Leu	Gly	Tyr			
				680					685					690			
Lys	Glu	Leu	Gly	His	Leu	Thr	His	Gln	Gln	Val	Val	Met	Ile	Thr			
				695					700					705			
Gly	Asp	Asn	Pro	Leu	Thr	Ala	Cys	His	Val	Ala	Gln	Glu	Leu	His			
				710					715					720			
Phe	Ile	Glu	Lys	Ala	His	Thr	Leu	Ile	Leu	Gln	Pro	Pro	Ser	Glu			
				725					730					735			
Lys	Gly	Arg	Gln	Cys	Glu	Trp	Arg	Ser	Ile	Asp	Gly	Ser	Ile	Val			
				740					745					750			
Leu	Pro	Leu	Ala	Arg	Gly	Ser	Pro	Lys	Ala	Leu	Ala	Leu	Glu	Tyr			
				755					760					765			
Ala	Leu	Cys	Leu	Thr	Gly	Asp	Gly	Leu	Ala	His	Leu	Gln	Ala	Thr			
				770					775					780			

Asp	Pro	Gln	Gln	Leu	Leu	Arg	Leu	Ile	Pro	His	Val	Gln	Val	Phe	785	790	795
Ala	Arg	Val	Ala	Pro	Lys	Gln	Lys	Glu	Phe	Val	Ile	Thr	Ser	Leu	800	805	810
Lys	Glu	Leu	Gly	Tyr	Val	Thr	Leu	Met	Cys	Gly	Asp	Gly	Thr	Asn	815	820	825
Asp	Val	Gly	Ala	Leu	Lys	His	Ala	Asp	Val	Gly	Val	Ala	Leu	Leu	830	835	840
Ala	Asn	Ala	Pro	Glu	Arg	Val	Val	Glu	Arg	Arg	Arg	Arg	Pro	Arg	845	850	855
Asp	Ser	Pro	Thr	Leu	Ser	Asn	Ser	Gly	Ile	Arg	Ala	Thr	Ser	Arg	860	865	870
Thr	Ala	Lys	Gln	Arg	Ser	Gly	Leu	Pro	Pro	Ser	Glu	Glu	Gln	Pro	875	880	885
Thr	Ser	Gln	Arg	Asp	Arg	Leu	Ser	Gln	Val	Leu	Arg	Asp	Leu	Glu	890	895	900
Asp	Glu	Ser	Thr	Pro	Ile	Val	Lys	Leu	Gly	Asp	Ala	Ser	Ile	Ala	905	910	915
Ala	Pro	Phe	Thr	Ser	Lys	Leu	Ser	Ser	Ile	Gln	Cys	Ile	Cys	His	920	925	930
Val	Ile	Lys	Gln	Gly	Arg	Cys	Thr	Leu	Val	Thr	Thr	Leu	Gln	Met	935	940	945
Phe	Lys	Ile	Leu	Ala	Leu	Asn	Ala	Leu	Ile	Leu	Ala	Tyr	Ser	Gln	950	955	960
Ser	Val	Leu	Tyr	Leu	Glu	Gly	Val	Lys	Phe	Ser	Asp	Phe	Gln	Ala	965	970	975
Thr	Leu	Gln	Gly	Leu	Leu	Leu	Ala	Gly	Cys	Phe	Leu	Phe	Ile	Ser	980	985	990
Arg	Ser	Lys	Pro	Leu	Lys	Thr	Leu	Ser	Arg	Glu	Arg	Pro	Leu	Pro	995	1000	1005
Asn	Ile	Phe	Asn	Leu	Tyr	Thr	Ile	Leu	Thr	Val	Met	Leu	Gln	Phe	1010	1015	1020
Phe	Val	His	Phe	Leu	Ser	Leu	Val	Tyr	Leu	Tyr	Arg	Glu	Ala	Gln	1025	1030	1035
Ala	Arg	Ser	Pro	Glu	Lys	Gln	Glu	Gln	Phe	Val	Asp	Leu	Tyr	Lys	1040	1045	1050
Glu	Phe	Glu	Pro	Ser	Leu	Val	Asn	Ser	Thr	Val	Tyr	Ile	Met	Ala	1055	1060	1065
Met	Ala	Met	Gln	Met	Ala	Thr	Phe	Ala	Ile	Asn	Tyr	Lys	Gly	Pro	1070	1075	1080
Pro	Phe	Met	Glu	Ser	Leu	Pro	Glu	Asn	Lys	Pro	Leu	Val	Trp	Ser	1085	1090	1095
Leu	Ala	Val	Ser	Leu	Leu	Ala	Ile	Ile	Gly	Leu	Leu	Leu	Gly	Ser	1100	1105	1110
Ser	Pro	Asp	Phe	Asn	Ser	Gln	Phe	Gly	Leu	Val	Asp	Ile	Pro	Val	1115	1120	1125
Glu	Val	Leu	Leu	Leu	Asp	Phe	Cys	Leu	Ala	Leu	Leu	Ala	Asp	Arg	1130	1135	1140
Val	Leu	Gln	Phe	Phe	Leu	Gly	Thr	Pro	Lys	Leu	Lys	Val	Pro	Ser	1145	1150	1155

<210> 48

<211> 606

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510661CD1

<400> 48

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Met Ala Ala Ala Ala Val Gly Asn Ala Val Pro Cys Gly Ala
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Arg Pro Cys Gly Val Arg Pro Asp Gly Gln Pro Lys Pro Gly Pro
          20          25          30
Gln Pro Arg Ala Leu Leu Ala Ala Gly Pro Ala Leu Ile Ala Asn
          35          40          45
Gly Asp Glu Leu Val Ala Ala Val Trp Pro Tyr Arg Arg Leu Ala
          50          55          60
Leu Leu Arg Arg Leu Thr Val Leu Pro Phe Ala Gly Leu Leu Tyr
          65          70          75
Pro Ala Trp Leu Gly Ala Ala Ala Ala Gly Cys Trp Gly Trp Gly
          80          85          90
Ser Ser Trp Val Gln Ile Pro Glu Ala Ala Leu Leu Val Leu Ala
          95          100          105
Thr Ile Cys Leu Ala His Ala Leu Thr Val Leu Ser Gly His Trp
          110          115          120
Ser Val His Ala His Cys Ala Leu Thr Cys Thr Pro Glu Tyr Asp
          125          130          135
Pro Ser Lys Ala Thr Phe Val Lys Val Val Pro Thr Pro Asn Asn
          140          145          150
Gly Ser Thr Glu Leu Val Ala Leu His Arg Asn Glu Gly Glu Asp
          155          160          165
Gly Leu Glu Val Leu Ser Phe Glu Phe Gln Lys Ile Lys Tyr Ser
          170          175          180
Tyr Asp Ala Leu Glu Lys Lys Gln Phe Leu Pro Val Ala Phe Pro
          185          190          195
Val Gly Asn Ala Phe Ser Tyr Tyr Gln Ser Asn Arg Gly Phe Gln
          200          205          210
Glu Asp Ser Glu Ile Arg Ala Ala Glu Lys Lys Phe Gly Ser Asn
          215          220          225
Lys Ala Glu Met Val Val Pro Asp Phe Ser Glu Leu Phe Lys Glu
          230          235          240
Arg Ala Thr Ala Pro Phe Phe Val Phe Gln Val Phe Cys Val Gly
          245          250          255
Leu Trp Cys Leu Asp Glu Tyr Trp Tyr Tyr Ser Val Phe Thr Leu
          260          265          270
Ser Met Leu Val Ala Phe Glu Ala Ser Leu Val Gln Gln Gln Met
          275          280          285
Arg Asn Met Ser Glu Ile Arg Lys Met Gly Asn Lys Pro His Met
          290          295          300
Ile Gln Val Tyr Arg Ser Arg Lys Trp Arg Pro Ile Ala Ser Asp
          305          310          315
Glu Ile Val Pro Gly Asp Ile Val Ser Ile Gly Arg Ser Pro Gln
          320          325          330
Glu Asn Leu Val Pro Cys Asp Val Leu Leu Leu Arg Gly Arg Cys
          335          340          345
Ile Val Asp Glu Ala Met Leu Thr Gly Glu Ser Val Pro Gln Met
          350          355          360
Lys Glu Pro Ile Glu Asp Leu Ser Pro Asp Arg Val Leu Asp Leu
          365          370          375
Gln Ala Asp Ser Arg Leu His Val Ile Phe Gly Gly Thr Lys Val

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	380		385		390
Val Gln His Ile	Pro Pro Gln Lys Ala	Thr Thr Gly Leu Lys	Pro		
	395		400		405
Val Asp Ser Gly	Cys Val Ala Tyr Val	Leu Arg Thr Gly Phe	Asn		
	410		415		420
Thr Ser Gln Gly	Lys Leu Leu Arg Thr	Ile Leu Phe Gly Val	Lys		
	425		430		435
Arg Val Thr Ala	Asn Asn Leu Glu Thr	Phe Ile Phe Ile Leu	Phe		
	440		445		450
Leu Leu Val Phe	Ala Ile Ala Ala Ala	Ala Tyr Val Trp Ile	Glu		
	455		460		465
Gly Thr Lys Asp	Pro Ser Arg Asn Arg	Tyr Lys Leu Phe Leu	Glu		
	470		475		480
Cys Thr Leu Ile	Leu Thr Ser Val Val	Pro Pro Glu Leu Pro	Ile		
	485		490		495
Glu Leu Ser Leu	Ala Val Asn Thr Ser	Leu Ile Ala Leu Ala	Lys		
	500		505		510
Leu Tyr Met Tyr	Cys Thr Glu Pro Phe	Arg Ile Pro Phe Ala	Gly		
	515		520		525
Lys Val Glu Val	Cys Cys Phe Asp Lys	Thr Gly Thr Leu Thr	Ser		
	530		535		540
Asp Ser Leu Val	Val Arg Gly Val Ala	Gly Leu Arg Asp Gly	Lys		
	545		550		555
Glu Val Thr Pro	Val Ser Ser Ile Pro	Val Glu Thr His Arg	Ala		
	560		565		570
Leu Ala Ser Cys	His Ser Leu Met Gln	Leu Asp Asp Gly Thr	Leu		
	575		580		585
Val Gly Asp Pro	Leu Glu Lys Ala Met	Leu Thr Ala Val Asp	Trp		
	590		595		600
Thr Leu Thr Lys	Val Pro				
	605				

<210> 49

<211> 462

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510680CD1

<400> 49

Met Ala Thr Lys	Pro Thr Glu Pro Val	Thr Ile Leu Ser Leu	Arg
1	5	10	15
Lys Leu Ser Leu	Gly Thr Ala Glu Pro	Gln Val Lys Glu Pro	Lys
	20	25	30
Thr Phe Thr Val	Glu Asp Ala Val Glu	Thr Ile Gly Phe Gly	Arg
	35	40	45
Phe His Ile Ala	Leu Phe Leu Ile Met	Gly Ser Thr Gly Val	Val
	50	55	60
Glu Ala Met Glu	Ile Met Leu Ile Ala	Val Val Ser Pro Val	Ile
	65	70	75
Arg Cys Glu Trp	Gln Leu Glu Asn Trp	Gln Val Ala Leu Val	Thr
	80	85	90
Thr Met Val Phe	Phe Gly Tyr Met Val	Phe Ser Ile Leu Phe	Gly
	95	100	105

Leu	Leu	Ala	Asp	Arg	Tyr	Gly	Arg	Trp	Lys	Ile	Leu	Leu	Ile	Ser	110	115	120
Phe	Leu	Trp	Gly	Ala	Tyr	Phe	Ser	Leu	Leu	Thr	Ser	Phe	Ala	Pro	125	130	135
Ser	Tyr	Ile	Trp	Phe	Val	Phe	Leu	Arg	Thr	Met	Val	Gly	Cys	Gly	140	145	150
Val	Ser	Gly	His	Ser	Gln	Gly	Leu	Ile	Ile	Lys	Thr	Glu	Phe	Leu	155	160	165
Pro	Thr	Lys	Tyr	Arg	Gly	Tyr	Met	Leu	Pro	Leu	Ser	Gln	Val	Phe	170	175	180
Trp	Leu	Ala	Gly	Ser	Leu	Leu	Ile	Ile	Gly	Leu	Ala	Ser	Val	Ile	185	190	195
Ile	Pro	Thr	Ile	Gly	Trp	Arg	Trp	Leu	Ile	Arg	Val	Ala	Ser	Ile	200	205	210
Pro	Gly	Ile	Ile	Leu	Ile	Val	Ala	Phe	Lys	Phe	Ile	Pro	Glu	Ser	215	220	225
Ala	Arg	Phe	Asn	Val	Ser	Thr	Gly	Asn	Thr	Arg	Ala	Ala	Leu	Ala	230	235	240
Thr	Leu	Glu	Arg	Val	Ala	Lys	Met	Asn	Arg	Ser	Val	Met	Pro	Glu	245	250	255
Gly	Lys	Leu	Val	Glu	Pro	Val	Leu	Glu	Lys	Arg	Gly	Arg	Phe	Ala	260	265	270
Asp	Leu	Leu	Asp	Ala	Lys	Tyr	Leu	Arg	Thr	Thr	Leu	Gln	Ile	Trp	275	280	285
Val	Ile	Trp	Leu	Gly	Ile	Ser	Phe	Ala	Tyr	Tyr	Gly	Val	Ile	Leu	290	295	300
Ala	Ser	Ala	Glu	Leu	Leu	Glu	Arg	Asp	Leu	Val	Cys	Gly	Ser	Lys	305	310	315
Ser	Asp	Ser	Ala	Val	Val	Val	Thr	Gly	Gly	Asp	Ser	Gly	Glu	Ser	320	325	330
Gln	Ser	Pro	Cys	Tyr	Cys	His	Met	Phe	Ala	Pro	Ser	Asp	Tyr	Arg	335	340	345
Thr	Met	Ile	Ile	Ser	Thr	Ile	Gly	Glu	Ile	Ala	Leu	Asn	Pro	Leu	350	355	360
Asn	Ile	Leu	Gly	Ile	Asn	Phe	Leu	Gly	Arg	Arg	Leu	Ser	Leu	Ser	365	370	375
Ile	Thr	Met	Gly	Cys	Thr	Ala	Leu	Phe	Phe	Leu	Leu	Leu	Asn	Ile	380	385	390
Cys	Thr	Ser	Ser	Ala	Gly	Leu	Ile	Gly	Phe	Leu	Phe	Met	Leu	Arg	395	400	405
Ala	Leu	Val	Ala	Ala	Asn	Phe	Asn	Thr	Val	Tyr	Ile	Tyr	Thr	Ala	410	415	420
Glu	Val	Leu	Met	Ser	Ala	Ser	Ile	Leu	Gly	Ala	Leu	Cys	Leu	Phe	425	430	435
Ser	Ser	Val	Cys	Val	Val	Cys	Ala	Ile	Ser	Ala	Phe	Thr	Leu	Pro	440	445	450
Ile	Glu	Thr	Lys	Gly	Arg	Ala	Leu	Gln	Gln	Ile	Lys				455	460	

<210> 50

<211> 366

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505145CD1

<400> 50

Met	Gly	Trp	Gly	Gly	Gly	Gly	Gly	Cys	Thr	Pro	Arg	Pro	Pro	Ile
1				5					10					15
His	Gln	Gln	Pro	Pro	Glu	Arg	Arg	Val	Val	Thr	Val	Val	Phe	Leu
				20					25					30
Gly	Leu	Leu	Leu	Asp	Leu	Leu	Ala	Phe	Thr	Leu	Leu	Leu	Pro	Leu
				35					40					45
Leu	Pro	Gly	Leu	Leu	Glu	Ser	His	Gly	Arg	Ala	His	Asp	Pro	Leu
				50					55					60
Tyr	Gly	Ser	Trp	Gln	Gly	Gly	Val	Asp	Trp	Phe	Ala	Thr	Ala	Ile
				65					70					75
Gly	Met	Pro	Val	Glu	Lys	Arg	Tyr	Asn	Ser	Val	Leu	Phe	Gly	Gly
				80					85					90
Leu	Ile	Gly	Ser	Ala	Phe	Ser	Val	Leu	Gln	Phe	Leu	Cys	Ala	Pro
				95					100					105
Leu	Thr	Gly	Ala	Thr	Ser	Asp	Cys	Leu	Gly	Arg	Arg	Pro	Val	Met
				110					115					120
Leu	Leu	Cys	Leu	Met	Gly	Val	Ala	Thr	Ser	Tyr	Ala	Val	Trp	Ala
				125					130					135
Thr	Ser	Arg	Ser	Phe	Ala	Ala	Phe	Leu	Ala	Ser	Arg	Leu	Ile	Gly
				140					145					150
Gly	Ile	Ser	Lys	Gly	Asn	Val	Ser	Leu	Ser	Thr	Ala	Ile	Val	Ala
				155					160					165
Asp	Leu	Gly	Ser	Pro	Leu	Ala	Arg	Ser	Gln	Gly	Met	Ala	Val	Ile
				170					175					180
Gly	Val	Ala	Phe	Ser	Leu	Gly	Phe	Thr	Leu	Gly	Pro	Met	Leu	Gly
				185					190					195
Ala	Ser	Leu	Pro	Leu	Glu	Met	Ala	Pro	Trp	Phe	Ala	Leu	Leu	Phe
				200					205					210
Ala	Ala	Ser	Asp	Leu	Leu	Phe	Ile	Phe	Cys	Phe	Leu	Pro	Glu	Thr
				215					220					225
Leu	Pro	Leu	Glu	Lys	Arg	Ala	Pro	Ser	Ile	Ala	Leu	Gly	Phe	Arg
				230					235					240
Asp	Ala	Ala	Asp	Leu	Leu	Ser	Pro	Leu	Ala	Leu	Leu	Arg	Phe	Ser
				245					250					255
Ala	Val	Ala	Arg	Gly	Gln	Asp	Pro	Pro	Ser	Gly	Asp	Arg	Leu	Ser
				260					265					270
Ser	Leu	Arg	Arg	Leu	Gly	Leu	Val	Tyr	Phe	Leu	Tyr	Leu	Phe	Leu
				275					280					285
Phe	Ser	Gly	Leu	Glu	Tyr	Thr	Leu	Ser	Phe	Leu	Thr	His	Gln	Arg
				290					295					300
Phe	Gln	Phe	Ser	Arg	Pro	Ser	Cys	Cys	Trp	Cys	Pro	Pro	Ser	Ser
				305					310					315
Ser	Ser	Ala	Gly	Asp	Val	Leu	Cys	Pro	Cys	Trp	Ala	Trp	Gly	Cys
				320					325					330
Cys	Ser	Thr	Pro	Leu	Pro	Pro	Pro	Leu	Trp	Cys	Pro	Ala	Cys	Pro
				335					340					345
Pro	Trp	Ser	Leu	Ala	Met	Ala	His	Gln	Gly	Arg	Arg	Ala	Arg	Ser
				350					355					360
Trp	Val	His	Cys	Ala	Ala									
				365										

<210> 51

<211> 295

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505162CD1

<400> 51

Met	Ala	Ala	Gln	Gly	Tyr	Gly	Tyr	Tyr	Arg	Thr	Val	Ile	Phe	Ser	1	5	10	15
Ala	Met	Phe	Gly	Gly	Tyr	Ser	Leu	Tyr	Tyr	Phe	Asn	Arg	Lys	Thr	20	25	30	
Phe	Ser	Phe	Val	Met	Pro	Ser	Leu	Val	Glu	Glu	Ile	Pro	Leu	Asp	35	40	45	
Lys	Asp	Asp	Leu	Gly	Phe	Ile	Thr	Ser	Ser	Gln	Ser	Ala	Ala	Tyr	50	55	60	
Ala	Ile	Ser	Lys	Phe	Val	Ser	Gly	Val	Leu	Ser	Asp	Gln	Met	Ser	65	70	75	
Ala	Arg	Trp	Leu	Phe	Ser	Ser	Gly	Leu	Leu	Leu	Val	Gly	Leu	Val	80	85	90	
Asn	Ile	Phe	Phe	Ala	Trp	Ser	Ser	Thr	Val	Pro	Val	Phe	Ala	Ala	95	100	105	
Leu	Trp	Phe	Leu	Asn	Gly	Leu	Ala	Gln	Gly	Leu	Gly	Trp	Pro	Pro	110	115	120	
Cys	Gly	Lys	Val	Leu	Arg	Lys	Trp	Phe	Glu	Pro	Ser	Gln	Phe	Gly	125	130	135	
Thr	Trp	Trp	Ala	Ile	Leu	Ser	Thr	Ser	Met	Asn	Leu	Ala	Gly	Gly	140	145	150	
Leu	Gly	Pro	Ile	Leu	Ala	Thr	Ile	Leu	Ala	Gln	Ser	Tyr	Ser	Trp	155	160	165	
Arg	Ser	Thr	Leu	Ala	Leu	Ser	Gly	Ala	Leu	Cys	Val	Val	Val	Ser	170	175	180	
Phe	Leu	Cys	Leu	Leu	Leu	Ile	His	Asn	Glu	Pro	Ala	Asp	Val	Gly	185	190	195	
Leu	Arg	Asn	Leu	Asp	Pro	Met	Pro	Ser	Glu	Gly	Lys	Lys	Gly	Ser	200	205	210	
Leu	Lys	Glu	Glu	Ser	Thr	Leu	Gln	Glu	Leu	Leu	Leu	Ser	Pro	Tyr	215	220	225	
Leu	Trp	Val	Leu	Ser	Thr	Gly	Tyr	Leu	Val	Val	Phe	Gly	Val	Lys	230	235	240	
Thr	Cys	Cys	Thr	Asp	Trp	Gly	Gln	Phe	Phe	Leu	Ile	Gln	Glu	Lys	245	250	255	
Gly	Gln	Ser	Ala	Leu	Val	Gly	Gly	Thr	Val	Gln	Leu	Arg	Glu	Pro	260	265	270	
Ser	Pro	Trp	Pro	Val	Ala	Val	His	Asp	Gly	Trp	His	Asp	Ser	Val	275	280	285	
His	Val	Pro	Leu	Pro	Gly	Asn	Ser	Asp	Gln						290	295		

<210> 52

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505469CD1

<400> 52

Met	Glu	Ala	Arg	Glu	Pro	Gly	Arg	Pro	Thr	Pro	Thr	Tyr	His	Leu
1				5					10					15
Val	Pro	Asn	Thr	Ser	Gln	Ser	Gln	Val	Glu	Glu	Asp	Val	Ser	Ser
				20					25					30
Pro	Pro	Gln	Arg	Ser	Ser	Glu	Thr	Met	Gln	Leu	Lys	Lys	Glu	Ile
				35					40					45
Ser	Leu	Leu	Asn	Gly	Val	Ser	Leu	Val	Val	Gly	Asn	Met	Ile	Gly
				50					55					60
Ser	Gly	Ile	Phe	Val	Ser	Pro	Lys	Gly	Val	Leu	Val	His	Thr	Ala
				65					70					75
Ser	Tyr	Gly	Met	Ser	Leu	Ile	Val	Trp	Ala	Ile	Gly	Gly	Leu	Phe
				80					85					90
Ser	Val	Val	Gly	Ala	Leu	Cys	Tyr	Ala	Glu	Leu	Gly	Thr	Thr	Ile
				95					100					105
Thr	Lys	Ser	Gly	Ala	Ser	Tyr	Ala	Tyr	Ile	Leu	Glu	Ala	Phe	Gly
				110					115					120
Gly	Phe	Ile	Ala	Phe	Ile	Arg	Leu	Trp	Val	Ser	Leu	Leu	Val	Val
				125					130					135
Glu	Pro	Thr	Gly	Gln	Ala	Ile	Ile	Ala	Ile	Thr	Phe	Ala	Asn	Tyr
				140					145					150
Ile	Ile	Gln	Pro	Ser	Phe	Pro	Ser	Cys	Asp	Pro	Pro	Tyr	Leu	Ala
				155					160					165
Cys	Arg	Leu	Leu	Ala	Ala	Ala	Cys	Ile	Cys	Leu	Leu	Thr	Phe	Val
				170					175					180
Asn	Cys	Ala	Tyr	Val	Lys	Trp	Gly	Thr	Arg	Val	Gln	Asp	Thr	Phe
				185					190					195
Thr	Tyr	Ala	Lys	Val	Val	Ala	Leu	Ile	Ala	Ile	Ile	Val	Met	Gly
				200					205					210
Leu	Val	Lys	Leu	Cys	Gln	Glu	Ile	Cys	Pro	Trp	Pro	Leu	Gly	Phe
				215					220					225

Leu Cys Gln Leu

<210> 53

<211> 637

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505475CD1

<400> 53

Met	Asn	Met	Lys	Gln	Lys	Ser	Val	Tyr	Gln	Gln	Thr	Lys	Ala	Leu
1				5					10					15
Leu	Cys	Lys	Asn	Phe	Leu	Lys	Lys	Trp	Arg	Met	Lys	Arg	Glu	Ser
				20					25					30
Leu	Leu	Glu	Trp	Gly	Leu	Ser	Ile	Leu	Leu	Gly	Leu	Cys	Ile	Ala
				35					40					45
Leu	Phe	Ser	Ser	Ser	Met	Arg	Asn	Val	Gln	Phe	Pro	Gly	Met	Ala
				50					55					60
Pro	Gln	Asn	Leu	Gly	Arg	Val	Asp	Lys	Phe	Asn	Ser	Ser	Ser	Leu
				65					70					75

Met Val Val Tyr Thr Pro Ile Ser Asn Leu Thr Gln Gln Ile Met	80	85	90
Asn Lys Thr Ala Leu Ala Pro Leu Leu Lys Gly Thr Ser Val Ile	95	100	105
Gly Ala Pro Asn Lys Thr His Met Asp Glu Ile Leu Leu Glu Asn	110	115	120
Leu Pro Tyr Ala Met Gly Ile Ile Phe Asn Glu Thr Phe Ser Tyr	125	130	135
Lys Leu Ile Phe Phe Gln Gly Tyr Asn Ser Pro Leu Trp Lys Glu	140	145	150
Asp Phe Ser Ala His Cys Trp Asp Gly Tyr Gly Glu Phe Ser Cys	155	160	165
Thr Leu Thr Lys Tyr Trp Asn Arg Gly Phe Val Ala Leu Gln Thr	170	175	180
Ala Ile Asn Thr Ala Ile Ile Glu Ile Thr Thr Asn His Pro Val	185	190	195
Met Glu Glu Leu Met Ser Val Thr Ala Ile Thr Met Lys Thr Leu	200	205	210
Pro Phe Ile Thr Lys Asn Leu Leu His Asn Glu Met Phe Ile Leu	215	220	225
Phe Phe Leu Leu His Phe Ser Pro Leu Val Tyr Phe Ile Ser Leu	230	235	240
Asn Val Thr Lys Glu Arg Lys Lys Ser Lys Asn Leu Met Lys Met	245	250	255
Met Gly Leu Gln Asp Ser Ala Phe Trp Leu Ser Trp Gly Leu Ile	260	265	270
Tyr Ala Gly Phe Ile Phe Ile Ile Ser Ile Phe Ile Thr Ile Ile	275	280	285
Ile Thr Phe Thr Gln Ile Ile Val Met Thr Gly Phe Met Val Ile	290	295	300
Phe Ile Pro Phe Phe Leu Tyr Gly Leu Ser Leu Val Ala Leu Val	305	310	315
Phe Leu Leu Ser Val Leu Leu Lys Lys Ala Val Leu Thr Asn Leu	320	325	330
Val Val Phe Leu Leu Thr Leu Phe Trp Gly Cys Leu Gly Phe Thr	335	340	345
Val Phe Tyr Glu Gln Leu Pro Ser Ser Leu Glu Trp Ile Leu Asn	350	355	360
Ile Cys Ser Pro Phe Ala Phe Thr Thr Gly Met Ile Gln Ile Ile	365	370	375
Lys Leu Asp Tyr Asn Leu Asn Gly Val Ile Phe Pro Asp Pro Ser	380	385	390
Gly Asp Ser Tyr Thr Met Ile Ala Thr Phe Ser Met Leu Leu Leu	395	400	405
Asp Gly Leu Ile Tyr Leu Leu Leu Ala Leu Tyr Phe Asp Lys Ile	410	415	420
Leu Pro Tyr Gly Asp Glu Arg His Tyr Ser Pro Leu Phe Phe Leu	425	430	435
Asn Ser Ser Ser Cys Phe Gln His Gln Arg Thr Asn Ala Lys Val	440	445	450
Ile Glu Lys Glu Ile Asp Ala Glu His Pro Ser Asp Asp Tyr Phe	455	460	465
Glu Pro Val Ala Pro Glu Phe Gln Gly Lys Glu Ala Ile Arg Ile	470	475	480
Arg Asn Val Lys Lys Glu Tyr Lys Gly Lys Ser Gly Lys Val Glu	485	490	495

Ala	Leu	Lys	Gly	Leu	Leu	Phe	Asp	Ile	Tyr	Glu	Gly	Gln	Ile	Thr
				500					505					510
Ala	Ile	Leu	Gly	His	Ser	Gly	Ala	Gly	Lys	Ser	Ser	Leu	Leu	Asn
				515					520					525
Ile	Leu	Asn	Gly	Leu	Ser	Val	Pro	Thr	Glu	Gly	Ser	Val	Thr	Ile
				530					535					540
Tyr	Asn	Lys	Asn	Leu	Ser	Glu	Met	Gln	Asp	Leu	Glu	Glu	Ile	Arg
				545					550					555
Lys	Ile	Thr	Gly	Val	Cys	Pro	Gln	Phe	Asn	Val	Gln	Phe	Asp	Ile
				560					565					570
Leu	Thr	Val	Lys	Glu	Asn	Leu	Ser	Leu	Phe	Ala	Lys	Ile	Lys	Gly
				575					580					585
Ile	His	Leu	Lys	Glu	Val	Glu	Gln	Glu	Val	Gln	Arg	Ile	Leu	Leu
				590					595					600
Glu	Leu	Asp	Met	Gln	Asn	Ile	Gln	Asp	Asn	Leu	Ala	Lys	His	Leu
				605					610					615
Ser	Glu	Gly	Gln	Lys	Arg	Lys	Leu	Thr	Phe	Gly	Ile	Thr	Ile	Leu
				620					625					630
Gly	Asp	Pro	Gln	Ile	Glu	Lys								
				635										

<210> 54

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505568CD1

<400> 54

Met	Ala	Arg	Lys	Gln	Asn	Arg	Asn	Ser	Lys	Glu	Leu	Gly	Leu	Val
1				5					10					15
Pro	Leu	Thr	Asp	Asp	Thr	Ser	His	Ala	Gly	Pro	Pro	Gly	Pro	Gly
				20					25					30
Arg	Ala	Leu	Leu	Glu	Cys	Asp	His	Leu	Arg	Ser	Gly	Val	Pro	Gly
				35					40					45
Gly	Arg	Arg	Arg	Lys	Asp	Trp	Ser	Cys	Ser	Leu	Leu	Val	Ala	Ser
				50					55					60
Leu	Ala	Gly	Ala	Phe	Gly	Ser	Ser	Phe	Leu	Tyr	Gly	Tyr	Asn	Leu
				65					70					75
Ser	Val	Val	Asn	Ala	Pro	Thr	Pro	Glu	Ala	His	Phe	Ala	Gly	Gln
				80					85					90

<210> 55

<211> 327

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506953CD1

<400> 55

Met Lys Thr Lys Leu Asn Ile Tyr Asn Met Gln Phe Leu Leu Phe

1	5	10	15
Val Phe Leu Val Trp Asp Pro Ala Arg Leu Val Leu Ala Asn Ile			
	20	25	30
Gln Glu Asp Glu Ala Lys Asn Asn Ile Thr Ile Phe Thr Arg Ile			
	35	40	45
Leu Asp Arg Leu Leu Asp Gly Tyr Asp Asn Arg Leu Arg Pro Gly			
	50	55	60
Leu Gly Asp Ala Tyr Thr Thr Ser Glu Val Thr Tyr Ile Trp Thr			
	65	70	75
Tyr Asn Ala Ser Asp Ser Val Gln Val Ala Pro Asp Gly Ser Arg			
	80	85	90
Leu Asn Gln Tyr Asp Leu Leu Gly Gln Ser Ile Gly Lys Glu Thr			
	95	100	105
Ile Lys Ser Ser Thr Gly Glu Tyr Thr Val Met Thr Ala His Phe			
	110	115	120
His Leu Lys Arg Lys Ile Gly Tyr Phe Val Ile Gln Thr Tyr Leu			
	125	130	135
Pro Cys Ile Met Thr Val Ile Leu Ser Gln Val Ser Phe Trp Leu			
	140	145	150
Asn Arg Glu Ser Val Pro Ala Arg Thr Val Phe Gly Val Thr Thr			
	155	160	165
Val Leu Thr Met Thr Thr Leu Ser Ile Ser Ala Arg Asn Ser Leu			
	170	175	180
Pro Lys Val Ala Tyr Ala Thr Ala Met Asp Trp Phe Ile Ala Val			
	185	190	195
Cys Tyr Ala Phe Val Phe Ser Ala Leu Ile Glu Phe Ala Thr Val			
	200	205	210
Asn Tyr Phe Thr Lys Arg Gly Trp Ala Trp Asp Gly Lys Ser Val			
	215	220	225
Val Asn Asp Lys Lys Lys Glu Lys Ala Ser Val Met Ile Gln Asn			
	230	235	240
Asn Ala Tyr Ala Val Ala Val Ala Asn Tyr Ala Pro Asn Leu Ser			
	245	250	255
Lys Asp Pro Val Leu Ser Thr Ile Ser Lys Ser Ala Thr Thr Pro			
	260	265	270
Glu Pro Asn Lys Lys Pro Glu Asn Lys Pro Ala Glu Ala Lys Lys			
	275	280	285
Thr Phe Asn Ser Val Ser Lys Ile Asp Arg Met Ser Arg Ile Val			
	290	295	300
Phe Pro Val Leu Phe Gly Thr Phe Asn Leu Val Tyr Trp Ala Thr			
	305	310	315
Tyr Leu Asn Arg Glu Pro Val Leu Gly Val Ser Pro			
	320	325	

<210> 56

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510176CD1

<400> 56

Met Lys Phe Phe Ser Tyr Ile Leu Val Tyr Arg Arg Phe Leu Phe			
1	5	10	15

Val	Val	Phe	Thr	Val	Leu	Val	Leu	Leu	Pro	Leu	Pro	Ile	Val	Leu
				20					25					30
His	Thr	Lys	Leu	Ile	Leu	Thr	Phe	Pro	Arg					
				35					40					

<210> 57
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510541CD1

<400> 57														
Met	Glu	Ala	Pro	Leu	Gln	Thr	Glu	Met	Val	Glu	Leu	Val	Pro	Asn
1				5					10					15
Gly	Lys	His	Ser	Glu	Gly	Leu	Leu	Pro	Val	Ile	Thr	Pro	Met	Ala
				20					25					30
Gly	Asn	Gln	Arg	Val	Glu	Asp	Pro	Ala	Arg	Ser	Cys	Met	Glu	Gly
				35					40					45
Lys	Ser	Phe	Leu	Gln	Lys	Ser	Pro	Ser	Lys	Glu	Pro	His	Phe	Thr
				50					55					60
Asp	Phe	Glu	Gly	Lys	Thr	Ser	Phe	Gly	Met	Ser	Val	Phe	Asn	Leu
				65					70					75
Ser	Asn	Ala	Ile	Met	Gly	Ser	Gly	Ile	Leu	Gly	Leu	Ala	Tyr	Ala
				80					85					90
Met	Ala	Asn	Thr	Gly	Ile	Ile	Leu	Phe	Leu	His	Pro	Cys	Leu	
				95					100					

<210> 58
 <211> 296
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510923CD1

<400> 58														
Met	Glu	Ala	Pro	Leu	Gln	Thr	Glu	Met	Val	Glu	Leu	Val	Pro	Asn
1				5					10					15
Gly	Lys	His	Ser	Glu	Gly	Leu	Leu	Pro	Val	Ile	Thr	Pro	Met	Ala
				20					25					30
Gly	Asn	Gln	Arg	Val	Glu	Asp	Pro	Ala	Arg	Ser	Cys	Met	Glu	Gly
				35					40					45
Lys	Ser	Phe	Leu	Gln	Lys	Ser	Pro	Ser	Lys	Glu	Pro	His	Phe	Thr
				50					55					60
Asp	Phe	Glu	Gly	Lys	Thr	Ser	Phe	Gly	Met	Ser	Val	Phe	Asn	Leu
				65					70					75
Ser	Asn	Ala	Ile	Met	Gly	Ser	Gly	Ile	Leu	Gly	Leu	Ala	Tyr	Ala
				80					85					90
Met	Ala	Asn	Thr	Gly	Ile	Ile	Leu	Phe	Leu	Phe	Leu	Leu	Thr	Ala
				95					100					105
Val	Ala	Leu	Leu	Ser	Ser	Tyr	Ser	Ile	His	Leu	Leu	Leu	Lys	Ser
				110					115					120

Ser	Gly	Val	Val	Gly	Ile	Arg	Ala	Tyr	Glu	Gln	Leu	Gly	Tyr	Arg
				125					130					135
Ala	Phe	Gly	Thr	Pro	Gly	Lys	Leu	Ala	Ala	Ala	Leu	Ala	Ile	Thr
				140					145					150
Leu	Gln	Asn	Ile	Gly	Ala	Met	Ser	Ser	Tyr	Leu	Tyr	Ile	Ile	Lys
				155					160					165
Ser	Glu	Leu	Pro	Leu	Val	Ile	Gln	Thr	Phe	Leu	Asn	Leu	Glu	Glu
				170					175					180
Lys	Thr	Ser	Asp	Trp	Tyr	Met	Asn	Gly	Asn	Tyr	Leu	Val	Ile	Leu
				185					190					195
Val	Ser	Val	Thr	Ile	Ile	Leu	Pro	Leu	Ala	Leu	Met	Arg	Gln	Leu
				200					205					210
Gly	Tyr	Leu	Gly	Tyr	Ser	Ser	Gly	Phe	Ser	Leu	Ser	Cys	Met	Val
				215					220					225
Phe	Phe	Leu	Ile	Ala	Val	Ile	Tyr	Lys	Lys	Phe	His	Val	Pro	Cys
				230					235					240
Pro	Leu	Pro	Pro	Asn	Phe	Asn	Asn	Thr	Thr	Gly	Asn	Phe	Ser	His
				245					250					255
Val	Glu	Ile	Val	Lys	Glu	Lys	Val	Gln	Leu	Gln	Val	Glu	Pro	Glu
				260					265					270
Ala	Ser	Ala	Phe	Cys	Thr	Pro	Ser	Tyr	Phe	Thr	Leu	Asn	Ser	Gln
				275					280					285
Val	Leu	Thr	Gly	Gln	Gly	Lys	Ala	Gly	Ala	Gln				
				290					295					

<210> 59

<211> 1364

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510984CD1

<400> 59

Met	Pro	Leu	Ala	Phe	Cys	Gly	Ser	Glu	Asn	His	Ser	Ala	Ala	Tyr
1				5					10					15
Arg	Val	Asp	Gln	Gly	Val	Leu	Asn	Asn	Gly	Cys	Phe	Val	Asp	Ala
				20					25					30
Leu	Asn	Val	Val	Pro	His	Val	Phe	Leu	Leu	Phe	Ile	Thr	Phe	Pro
				35					40					45
Ile	Leu	Phe	Ile	Gly	Trp	Gly	Ser	Gln	Ser	Ser	Lys	Val	His	Ile
				50					55					60
His	His	Ser	Thr	Trp	Leu	His	Phe	Pro	Gly	His	Asn	Leu	Arg	Trp
				65					70					75
Ile	Leu	Thr	Phe	Met	Leu	Leu	Phe	Val	Leu	Val	Cys	Glu	Ile	Ala
				80					85					90
Glu	Gly	Ile	Leu	Ser	Asp	Gly	Val	Thr	Glu	Ser	His	His	Leu	His
				95					100					105
Leu	Tyr	Met	Pro	Ala	Gly	Met	Ala	Phe	Met	Ala	Ala	Val	Ala	Ser
				110					115					120
Val	Val	Tyr	Tyr	His	Asn	Ile	Glu	Thr	Ser	Asn	Phe	Pro	Lys	Leu
				125					130					135
Leu	Ile	Ala	Leu	Leu	Val	Tyr	Trp	Thr	Leu	Ala	Phe	Ile	Thr	Lys
				140					145					150
Thr	Ile	Lys	Phe	Val	Lys	Phe	Leu	Asp	His	Ala	Ile	Gly	Phe	Ser

				155					160				165
Gln	Leu	Arg	Phe	Cys	Leu	Thr	Gly	Leu	Leu	Val	Ile	Leu	Tyr
				170					175				180
Met	Leu	Leu	Leu	Val	Glu	Val	Asn	Val	Ile	Arg	Val	Arg	Arg
				185					190				195
Ile	Phe	Phe	Lys	Thr	Pro	Arg	Glu	Val	Lys	Pro	Pro	Glu	Asp
				200					205				210
Gln	Asp	Leu	Gly	Val	Arg	Phe	Leu	Gln	Pro	Phe	Val	Asn	Leu
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Ser	Lys	Gly	Thr	Tyr	Trp	Trp	Met	Asn	Ala	Phe	Ile	Lys	Thr
				230					235				240
His	Lys	Lys	Pro	Ile	Asp	Leu	Arg	Ala	Ile	Gly	Lys	Leu	Pro
				245					250				255
Ala	Met	Arg	Ala	Leu	Thr	Asn	Tyr	Gln	Arg	Leu	Cys	Glu	Ala
				260					265				270
Asp	Ala	Gln	Val	Arg	Lys	Asp	Ile	Gln	Gly	Thr	Gln	Gly	Ala
				275					280				285
Ala	Ile	Trp	Gln	Ala	Leu	Ser	His	Ala	Phe	Gly	Arg	Arg	Leu
				290					295				300
Leu	Ser	Ser	Thr	Phe	Arg	Ile	Leu	Ala	Asp	Leu	Leu	Gly	Phe
				305					310				315
Gly	Pro	Leu	Cys	Ile	Phe	Gly	Ile	Val	Asp	His	Leu	Gly	Lys
				320					325				330
Asn	Asp	Val	Phe	Gln	Pro	Lys	Thr	Gln	Phe	Leu	Gly	Val	Tyr
				335					340				345
Val	Ser	Ser	Gln	Glu	Phe	Leu	Ala	Asn	Ala	Tyr	Val	Leu	Ala
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Leu	Leu	Phe	Leu	Ala	Leu	Leu	Leu	Gln	Arg	Thr	Phe	Leu	Gln
				365					370				375
Ser	Tyr	Tyr	Val	Ala	Ile	Glu	Thr	Gly	Ile	Asn	Leu	Arg	Gly
				380					385				390
Ile	Gln	Thr	Lys	Ile	Tyr	Asn	Lys	Ile	Met	His	Leu	Ser	Thr
				395					400				405
Asn	Leu	Ser	Met	Gly	Glu	Met	Thr	Ala	Gly	Gln	Ile	Cys	Asn
				410					415				420
Val	Ala	Ile	Asp	Thr	Asn	Gln	Leu	Met	Trp	Phe	Phe	Phe	Leu
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Pro	Asn	Leu	Trp	Ala	Met	Pro	Val	Gln	Ile	Ile	Val	Gly	Val
				440					445				450
Leu	Leu	Tyr	Tyr	Ile	Leu	Gly	Val	Ser	Ala	Leu	Ile	Gly	Ala
				455					460				465
Val	Ile	Ile	Leu	Leu	Ala	Pro	Val	Gln	Tyr	Phe	Val	Ala	Thr
				470					475				480
Leu	Ser	Gln	Ala	Gln	Arg	Ser	Thr	Leu	Glu	Tyr	Ser	Asn	Glu
				485					490				495
Leu	Lys	Gln	Thr	Asn	Glu	Met	Leu	Arg	Gly	Ile	Lys	Leu	Leu
				500					505				510
Leu	Tyr	Ala	Trp	Glu	Asn	Ile	Phe	Arg	Thr	Arg	Val	Glu	Thr
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Arg	Arg	Lys	Glu	Met	Thr	Ser	Leu	Arg	Ala	Phe	Ala	Ile	Tyr
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Ser	Ile	Ser	Ile	Phe	Met	Asn	Thr	Ala	Ile	Pro	Ile	Ala	Ala
				545					550				555
Leu	Ile	Thr	Phe	Val	Gly	His	Val	Ser	Phe	Phe	Lys	Glu	Ala
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Phe	Ser	Pro	Ser	Val	Ala	Phe	Ala	Ser	Leu	Ser	Leu	Phe	His

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Leu Val Thr Pro	Leu Phe Leu Leu Ser	Ser Val Val Arg Ser	Thr		
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Val Lys Ala Leu	Val Ser Val Gln Lys	Leu Ser Glu Phe Leu	Ser		
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Ser Ala Glu Ile	Arg Glu Glu Gln Cys	Ala Pro His Glu Pro	Thr		
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Pro Gln Gly Pro	Ala Ser Lys Tyr Gln	Ala Val Pro Leu Arg	Val		
	635		640		645
Val Asn Arg Lys	Arg Pro Ala Arg Glu	Asp Cys Arg Gly Leu	Thr		
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Gly Pro Leu Gln	Ser Leu Val Pro Ser	Ala Asp Gly Asp Ala	Asp		
	665		670		675
Asn Cys Cys Val	Gln Ile Met Gly Gly	Tyr Phe Thr Trp Thr	Pro		
	680		685		690
Asp Gly Ile Pro	Thr Leu Ser Asn Ile	Thr Ile Arg Ile Pro	Arg		
	695		700		705
Gly Gln Leu Thr	Met Ile Val Gly Gln	Val Gly Cys Gly Lys	Ser		
	710		715		720
Ser Leu Leu Leu	Ala Ala Leu Gly Glu	Met Gln Lys Val Ser	Gly		
	725		730		735
Ala Val Phe Trp	Ser Ser Ser Leu Pro	Asp Ser Glu Ile Gly	Glu		
	740		745		750
Asp Pro Ser Pro	Glu Arg Glu Thr Ala	Thr Asp Leu Asp Ile	Arg		
	755		760		765
Lys Arg Gly Pro	Val Ala Tyr Ala Ser	Gln Lys Pro Trp Leu	Leu		
	770		775		780
Asn Ala Thr Val	Glu Glu Asn Ile Ile	Phe Glu Ser Pro Phe	Asn		
	785		790		795
Lys Gln Arg Tyr	Lys Met Val Ile Glu	Ala Cys Ser Leu Gln	Pro		
	800		805		810
Asp Ile Asp Ile	Leu Pro His Gly Asp	Gln Thr Gln Ile Gly	Glu		
	815		820		825
Arg Gly Ile Asn	Leu Ser Gly Gly Gln	Arg Gln Arg Ile Ser	Val		
	830		835		840
Ala Arg Ala Leu	Tyr Gln His Ala Asn	Val Val Phe Leu Asp	Asp		
	845		850		855
Pro Phe Ser Ala	Leu Asp Ile His Leu	Ser Asp His Leu Met	Gln		
	860		865		870
Ala Gly Ile Leu	Glu Leu Leu Arg Asp	Asp Lys Arg Thr Val	Val		
	875		880		885
Leu Val Thr His	Lys Leu Gln Tyr Leu	Pro His Ala Asp Trp	Ile		
	890		895		900
Ile Ala Met Lys	Asp Gly Thr Ile Gln	Arg Glu Gly Thr Leu	Lys		
	905		910		915
Asp Phe Gln Arg	Ser Glu Cys Gln Leu	Phe Glu His Trp Lys	Thr		
	920		925		930
Leu Met Asn Arg	Gln Asp Gln Glu Leu	Glu Lys Glu Thr Val	Thr		
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Glu Arg Lys Ala	Thr Glu Pro Pro Gln	Gly Leu Ser Arg Ala	Met		
	950		955		960
Ser Ser Arg Asp	Gly Leu Leu Gln Asp	Glu Glu Glu Glu Glu	Glu		
	965		970		975
Glu Ala Ala Glu	Ser Glu Glu Asp Asp	Asn Leu Ser Ser Met	Leu		
	980		985		990
His Gln Arg Ala	Glu Ile Pro Trp Arg	Ala Cys Ala Lys Tyr	Leu		

	995	1000	1005
Ser Ser Ala Gly Ile Leu Leu Leu Ser Leu Leu Val Phe Ser Gln			
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Leu Leu Lys His Met Val Leu Val Ala Ile Asp Tyr Trp Leu Ala			
	1025	1030	1035
Lys Trp Thr Asp Ser Ala Leu Thr Leu Thr Pro Ala Ala Arg Asn			
	1040	1045	1050
Cys Ser Leu Ser Gln Glu Cys Thr Leu Asp Gln Thr Val Tyr Ala			
	1055	1060	1065
Met Val Phe Thr Val Leu Cys Ser Leu Gly Ile Val Leu Cys Leu			
	1070	1075	1080
Val Thr Ser Val Thr Val Glu Trp Thr Gly Leu Lys Val Ala Lys			
	1085	1090	1095
Arg Leu His Arg Ser Leu Leu Asn Arg Ile Ile Leu Ala Pro Met			
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Arg Phe Phe Glu Thr Thr Pro Leu Gly Ser Ile Leu Asn Arg Phe			
	1115	1120	1125
Ser Ser Asp Cys Asn Thr Ile Asp Gln His Ile Pro Ser Thr Leu			
	1130	1135	1140
Glu Cys Leu Ser Arg Ser Thr Leu Leu Cys Val Ser Ala Leu Ala			
	1145	1150	1155
Val Ile Ser Tyr Val Thr Pro Val Phe Leu Val Ala Leu Leu Pro			
	1160	1165	1170
Leu Ala Ile Val Cys Tyr Phe Ile Gln Lys Tyr Phe Arg Val Ala			
	1175	1180	1185
Ser Arg Asp Leu Gln Gln Leu Asp Asp Thr Thr Gln Leu Pro Leu			
	1190	1195	1200
Leu Ser His Phe Ala Glu Thr Val Glu Gly Leu Thr Thr Ile Arg			
	1205	1210	1215
Ala Phe Arg Tyr Glu Ala Arg Phe Gln Gln Lys Leu Leu Glu Tyr			
	1220	1225	1230
Thr Asp Ser Asn Asn Ile Ala Ser Leu Phe Leu Thr Ala Ala Asn			
	1235	1240	1245
Arg Trp Leu Glu Val Arg Met Glu Tyr Ile Gly Ala Cys Val Val			
	1250	1255	1260
Leu Ile Ala Ala Val Thr Ser Ile Ser Asn Ser Leu His Arg Glu			
	1265	1270	1275
Leu Ser Ala Gly Leu Val Gly Leu Gly Leu Thr Tyr Ala Leu Met			
	1280	1285	1290
Val Ser Asn Tyr Leu Asn Trp Met Val Arg Asn Leu Ala Asp Met			
	1295	1300	1305
Glu Leu Gln Leu Gly Ala Val Lys Arg Ile His Gly Leu Leu Lys			
	1310	1315	1320
Thr Glu Ala Glu Ser Tyr Glu Gly Leu Leu Gly Glu Arg Leu Arg			
	1325	1330	1335
Glu Arg Gly Gly Glu Glu Ser Lys Glu Glu Cys Val Trp Val Gly			
	1340	1345	1350
Gly His Lys Gly Ala Trp Gly Trp Gly Gly Thr Phe Gly Tyr			
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<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509332CB1

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<210> 61

<211> 1623

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7509102CB1

<400> 61

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<210> 62
<211> 1802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7509132CB1

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<212> DNA
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<210> 64

<211> 1461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509178CB1

<400> 64

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<210> 65

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509214CB1

<400> 65

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ttcacgctgg cgcccagcca tggggtacgg ctccctacctg gtctggaaaag agctgggagg 180
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gcttcagagg tggccccacc tgagccccc cccgggagca gtgtcctgtg ctttctgcat 660
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<210> 66

<211> 2106

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509244CB1

<400> 66

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atgatgggaa ttttgacgtg gctctggaca ttagcgtcgt ggtgtcctcc gacggctccg 300
tgcgttggca acccccgggc atctatcgca gcagctgcag catccaggtc acctacttcc 360

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ccttcgactg gcagaattgc actatggtgt tcagctccta cagctacgac agctcggagg 420
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ttaggagggt gaggtgggag gattacttga aaccacagt ttgagaccag cctgggcaac 2040
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aaaaaa

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<210> 67

<211> 2334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509256CB1

<400> 67

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<210> 68

<211> 1475

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509395CB1

<400> 68

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cccgtctggg ggcaaagcta tttaaagact acagcagcgt ggtgcgggcca gtggaagacc 180
accgccagggt cgtggagggtc accgtggggcc tgcagctgat acagctcatc aatgtggatg 240
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cgtgttatat tccataactta ttattgatga taagattttac ctttatgtaa gtttatggcc 1320
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tcttttagtaa atgaaactaa tcactaaaaa aagtgttcat ttccagtgtc tggaagagtt 1440
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<210> 69

<211> 1295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503287CB1

<400> 69

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<210> 70

<211> 1386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503320CB1

<400> 70

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caagaactac aatcccttgg agaggcccg ggccaatgac tcgcaaccac tcaccgtcta 180
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aagcagcggc gctgcagcct ggccagtggt gagatgagcg ccgtggcgcc gccgcccgcc 420
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<210> 71

<211> 2213

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503335CB1

<400> 71

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<210> 72

<211> 1289

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7503952CB1

<400> 72

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aattctagcc acagatacac atcatcccca ggattctgct ctgtatcatc tcagcaagca 180
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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7504530CB1

<400> 73

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7509303CB1

<400> 74

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<210> 75

<211> 2230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509910CB1

<400> 75

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509982CB1

<400> 76

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<223> Incyte ID No: 7510082CB1

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<211> 3703

<212> DNA

<213> Homo sapiens

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 <223> Incyte ID No: 7510367CB1

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<210> 79

<211> 1171

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7510413CB1

<400> 79

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<210> 80

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1721303CB1

<400> 80

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<210> 81

<211> 1221

<212> DNA

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<223> Incyte ID No: 7502007CB1

<400> 81

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<211> 2008

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506439CB1

<400> 82

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<211> 1080

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7509243CB1

<400> 83

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<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7509404CB1

<400> 84

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<223> Incyte ID No: 7510203CB1

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<213> Homo sapiens

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<223> Incyte ID No: 7506561CB1

<400> 92

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<223> Incyte ID No: 7510733CB1

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<210> 94

<211> 2821

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510734CB1

<400> 94

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<213> Homo sapiens

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<210> 97

<211> 1517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506950CB1

<400> 97

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gctggctaac atccaagaag atgaggctaa aaataacatt accatcttta cgagaattct 180
tgacagactt ctggatgggt acgataatcg gcttagacca ggactgggag acagtattac 240
tgaagtcttc actaacatct acgtgaccag ttttggccct gtctcagata cagatatgga 300
atatacaatt gatgttttct ttcgacaaaa atggaaagat gaacgtttta aatttaaagg 360

```



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tcctatgaat atccttcgac taaacaatTT aatggctagc aaaatctgga ctccagatac 420
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acattgttct ggaatcagct cggtcagat gctcaaggtc cctgtaatgt attggaagct 1500
ggtaccctaa gaaaaca 1517

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<210> 98

<211> 1694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506951CB1

<400> 98

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atatacaatt gatgttttct ttcgacaaaa atggaaagat gaacgtttta aatttaaagg 360
tcctatgaat atccttcgac taaacaatTT aatggctagc aaaatctgga ctccagatac 420
cttttttcac aatgggaaga aatcagtagc tcataatatg acaatgccaa ataagttgct 480
tcgaattcag gatgatggga ctctgctgta taccatgagg cttacagttc aagctgaatg 540
cccaatgcac ttggaggatt tcccaatgga tgctcattca tgtcctctga aatttggcag 600
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aagcactcca tgcgaaaaca gccattgcct tttttaaaga tttaccctag gacctgattt 1440
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```

atcctgtaca accctttgtg gacacttttg gtttagctct taagtagggg tattttctac 1560
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ttgttctgga atcagctcgg tccagatgct caaggtccct gtaatgtatt ggaagctggg 1680
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```

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<210> 99
<211> 1102
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<223> Incyte ID No: 7506954CB1

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<400> 99
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tgccaattat gccccgaatc tttcaaaaga tccagttctc tccaccatct ccaagagtgc 420
aaccacgcca gaaccaaca agaagccaga aaacaagcca gctgaagcaa agaaaacttt 480
caacagtgtt agcaaaattg acagaatgtc cagaatagtt tttccagttt tgtttggtac 540
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taccaacatt gttctggaat cagctcggtc cagatgtcca aggtccctgt aatgtattgg 1080
aagctggtac cctaagaaaa ca                                     1102

```

```

<210> 100
<211> 1744
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<223> Incyte ID No: 7506956CB1

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<400> 100
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gctggctaac atccaagaag atgaggctaa aaataacatt accatcttta cgagaattct 180
tgacagactt ctggatggtt acgataatcg gcttagacca ggactgggag acagtattac 240
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atatacaatt gatgttttct ttcgacaaaa atggaaagat gaacgtttta aatttaaagg 360
tcctatgaat atccttcgac taaacaattt aatggctagc aaaatctgga ctccagatac 420
cttttttcac aatgggaaga aatcagtagc tcataatatg acaatgccaa ataagttgct 480
tcgaattcag gatgatggga ctctgctgta taccatgagg cttacagttc aagctgaatg 540
cccaatgcac ttggaggatt tcccaatgga tgctcattca tgtcctctga aatttggcag 600
ctatgcatat acaacttcag aggtcactta tatttggact tacaatgcat ctgattcagt 660

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acagggttgct cctgatggct ctagggttaaa tcaatatgac ctgctgggcc aatcaatcgg 720
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catcagtgct cggaattctc tccccaaagt ggcttatgca actgccatgg actggtttat 840
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<210> 101

<211> 1753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506959CB1

<400> 101

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gattcaaacc tatctgcctt gcatcatgac tgtcattctc tcccaagttt cattctggct 720
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agcactccat gcgaaaacag ccattgcctt ttttaagat ttaccctagg acctgattta 1500
aagtgaattt caaatgacct gattaatttc ctattcttcc aaatgagatg aaaatgggga 1560

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tcctgtacaa ccctttgtgg acacttttgg tttagctctt aagtaggggt attttctact 1620
gttgccctaat atgatggaag taacattgtc attctagatg aatctttgaa gtaccaacat 1680
tgttctggaa tcagctcggg ccagatgctc aaggctccctg taatgtattg gaagctggta 1740
ccctaagaaa aca 1753

```

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<210> 102
<211> 1609
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7506960CB1

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<400> 102
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gaccctgccg gggtgtgtgct ggctaacatc caagaagatg aggctaaaaa taacattacc 240
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attgtcattc tagatgaatc tttgaagtac caacattgtt ctggaatcag ctcggtccag 1560
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```

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<210> 103
<211> 1930
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7510540CB1

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<400> 103
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ttttactttt gttctgtatt ttcagtgtga atggattata gagtatacta aaaaatgtct 1920
atagagaaaa                                     1930

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<210> 104

<211> 1205

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510545CB1

<400> 104

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<213> Homo sapiens

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<400> 115

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<210> 116

<211> 1826

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510541CB1

<400> 116

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<211> 2052

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510923CB1

<400> 117

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7510984CB1

<400> 118

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